

IsBa_180815_Evaluation_skin_cult_humanT0-3.pdf
IsBa_180815_Evaluation_skin_cult_humanT4-7.pdf
IsBa_180815_Evaluation_skin_cult_humanT8-11.pdf
IsBa_180815_Evaluation_skin_cult_humanT12-14.pdf
IsBa_180815_Evaluation_skin_cult_porcineT0-3.pdf
IsBa_180815_Evaluation_skin_cult_porcineT4-7.pdf
IsBa_180815_Evaluation_skin_cult_porcineT8-11.pdf
IsBa_180815_Evaluation_skin_cult_porcineT12-14.pdf
IsBa_180815_Evaluation_skin_cult_canineT0-7.pdf
IsBa_180815_Evaluation_skin_cult_canineT8-14.pdf
IsBa_180820_Evaluation_+-controls_all_skins.pdf

| | | | | | |
|--------------------|--------------|------------------------------|-------------------------|---------------------------|---------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (instrument method) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot | isotope | n.a. | File name (results) | IsBa_190419/20_LDH_full_v | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | 19-04-18 |
| substance | ACB-ID | n.a. | sample volume [µL] | 100 | shaking time [min] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | 150 |
| cold | name | LDH | ACB-ID of cocktail | | Kind of measurement |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PEG | UV-vis |
| substance | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Wave length [nm] |
| | n.a. | n.a. | Pipettes (No. / volume) | 50-200µl | 450 |
| n.a. | n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks |
| n.a. | n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks |
| n.a. | n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|-------|------|---------|--|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | | | | | | | | 0.047 | | | | |
| KLP2 | | | | | | | | 0.054 | | | | |
| KLP3 | | | | | | | | 0.051 | | | | |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.938 | 0.04 | 4.19 | 0.051 | 0.887 | 0.041 | -0.57 | 0.00 |
| KLP5 | 0.018 | 0.483 | 0.484 | 0.474 | 0.480 | 0.00 | 0.98 | 0.052 | 0.429 | 0.019 | 2.42 | 0.00 |
| KLP6 | 0.012 | 0.360 | 0.359 | 0.326 | 0.348 | 0.02 | 4.54 | 0.051 | 0.297 | 0.013 | 5.00 | 0.00 |
| KLP7 | 0.007 | 0.228 | 0.228 | 0.199 | 0.218 | 0.014 | 6.35 | | 0.168 | 0.006 | -11.29 | 0.00 |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|---|--|------------|--------------|
| Geradensteigung | Slope | m | 21.03 |
| Y-Achsenabschnitt | Y-intercept | b | 0.03 |
| Standardabw. Geradensteigung | SD-Slope | s_m | 0.648055501 |
| Standardabw. Achsenabschnittes | SD-Y-intercept | s_b | 0.015177452 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Qxx | 0.000664048 |
| Bereichsmittel | | | 0.019557193 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | $m + VB_m$ | 23.81763508 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | $m - VB_m$ | 18.24048944 |
| Vertrauensbereich Achsenabschnitt (95 %) O.g. | | $b + VB_b$ | 0.099335820 |
| Vertrauensbereich Achsenabschnitt (95 %) U.g. | | $b - VB_b$ | -0.031281327 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9991 |
| Bestimmtheitsmaß | determination coefficient | r^2 | 0.9981 |
| Reststandardabweichung | | s_0 | 0.01669983 |
| Summe Restquadrate | | sd | 0.657389838 |
| Verfahrensstandardabw. | | s_{ab} | 0.000794131 |
| Rel. Verfahrensstandardabw. % | | V_{ab} | 4.060559029 |

Berichten

| | |
|--------------------|--------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 % |
| χ^2 SD (LLOQ) | 0.01 |
| χ^2 SD (AU) | 0.01 |
| LLOQ (AU) | 0.061 |
| LLOQ (AU) | 0.067 |
| ULOQ | 0.887 |
| LLOQ (Lin) | 0.168 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R^2 0.9981, deviations for both between -13.34% and +13.04%

Date

Operator

Date

Control

| | | | |
|---------------|--|---------|---------------|
| Formblatt-Nr. | | Version | |
| Titel | | | |
| Gültig ab | | Ablage | Projektordner |

Figure 1 Linearity

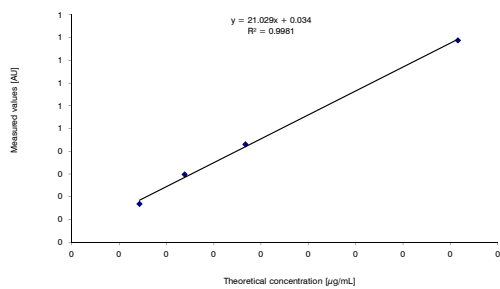
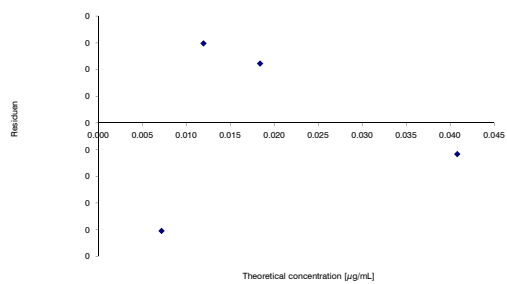


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date _____ Operator _____ Date _____ Control _____

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | TO | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHN1 | TO | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHN1 | TO | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHN2 | TO | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHN2 | TO | A08 | 0.702 | 0.651 | 0.651 | 0.029 | 176 | 5.164 |
| TOHN3 | TO | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHN3 | TO | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHN4 | TO | A11 | 0.475 | 0.424 | 0.424 | 0.019 | 2.75 | 0.051 |
| TOHN4 | TO | A12 | 0.393 | 0.342 | 0.342 | 0.015 | 2.75 | 0.040 |
| 0 | TO | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS11 | TO | B05 | 0.879 | 0.828 | 0.828 | 0.038 | 22 | 0.831 |
| TOHS11 | TO | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS12 | TO | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS12 | TO | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS13 | TO | B09 | 0.811 | 0.760 | 0.760 | 0.035 | 176 | 6.076 |
| TOHS13 | TO | B10 | 0.727 | 0.676 | 0.676 | 0.031 | 176 | 5.373 |
| TOHS14 | TO | B11 | 0.349 | 0.298 | 0.298 | 0.013 | 2.75 | 0.035 |
| TOHS14 | TO | B12 | 0.252 | 0.201 | 0.201 | 0.008 | 2.75 | 0.022 |
| 0 | TO | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS21 | TO | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS21 | TO | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS22 | TO | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS22 | TO | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS23 | TO | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS23 | TO | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS24 | TO | C11 | 0.283 | 0.232 | 0.232 | 0.009 | 2.75 | 0.026 |
| TOHS24 | TO | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: TO

| Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test |
|------|------|------|------|-------|------|------|-------|-------|-------|-------|-------|------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | | | 0.702 | | | 0.475 | 0.393 | |
| B | | | | 0.879 | | | | 0.811 | 0.727 | 0.349 | 0.252 | |
| C | | | | | | | | | | 0.283 | 0.211 | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.061 | 0.065 | 0.056 | 0.055 | 0.057 | |
| H | | | | | | | 0.051 | 0.05 | 0.051 | 0.05 | 0.049 | |

| Plattenbelegung | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------------|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | TOHN1 | TOHN1 | TOHN2 | TOHN2 | TOHN3 | TOHN3 | TOHN4 | TOHN4 |
| B | | | | | TOHS11 | TOHS11 | TOHS12 | TOHS12 | TOHS13 | TOHS13 | TOHS14 | TOHS14 |
| C | | | | | TOHS21 | TOHS21 | TOHS22 | TOHS22 | TOHS23 | TOHS23 | TOHS24 | TOHS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Samples aufgeteilt in lin high und low:höher konzentrierte Samples bei lin high zu finden.

Comment:
 Erste 4 Reihen immer Testmessung zur Evaluierung der benötigten Verdünnung. Wird nicht mit ausgewertet. Unverdünte Messungen außerhalb der Linearität werden ebenfalls nicht ausgewertet. Dil.Faktor unverdünnte samples=2,75 (100µl sample+100µlIRM+75µl stop sol.) Verdünnung (gelb) Dil.8*Dil8*Dil2,75=Dil.176

Date Operator

Date Control

| | | | | | | | |
|--------------|----|-----|---|--------------|---------|------|---------|
| 0 | TO | E01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | G01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | G02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | G03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | G04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | G05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | G06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | TO | G07 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | TO | G08 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | TO | G09 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | TO | G10 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | TO | G11 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | TO | G12 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| 0 | TO | H01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | H02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | H03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | H04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | H05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | H06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | TO | H07 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | TO | H08 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | TO | H09 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | TO | H10 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | TO | H11 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | TO | H12 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |

| | | | | | | | | |
|--------|----|-----|-------|-------|--------------|---------|-------|---------|
| 0 | T1 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1HN2 | T1 | A07 | 0.423 | 0.372 | 0.372 | 0.016 | 13.75 | 0.22 |
| T1HN2 | T1 | A08 | 0.615 | 0.564 | 0.564 | 0.025 | 13.75 | 0.35 |
| T1HN3 | T1 | A09 | 0.670 | 0.619 | 0.619 | 0.028 | 13.75 | 0.38 |
| T1HN3 | T1 | A10 | 0.724 | 0.673 | 0.673 | 0.030 | 13.75 | 0.42 |
| T1HN4 | T1 | A11 | 0.150 | 0.099 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T1HN4 | T1 | A12 | 0.153 | 0.102 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T1 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1HS14 | T1 | B11 | 0.147 | 0.096 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T1HS14 | T1 | B12 | 0.138 | 0.087 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T1 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1HS24 | T1 | C11 | 0.092 | 0.041 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T1HS24 | T1 | C12 | 0.112 | 0.061 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T1 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T1

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|-------|---|---|-------|-------|-------|-------|-------|-------|
| A | | | | | | | 0.423 | 0.615 | 0.670 | 0.724 | 0.150 | 0.153 |
| B | | | | | | | | | | | 0.147 | 0.138 |
| C | | | | | | | | | | | 0.092 | 0.112 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | 0.911 | | | 0.064 | 0.054 | 0.052 | 0.056 | 0.051 | 0.055 |
| H | | | | | | | 0.051 | 0.051 | 0.051 | 0.052 | 0.052 | 0.052 |

gelb dil5*dil2,75=dil 13,75

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|----------|---|---|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | | | T1HN2 | T1HN2 | T1HN3 | T1HN3 | T1HN4 | T1HN4 |
| B | | | | | | | | | | | T1HS14 | T1HS14 |
| C | | | | | | | | | | | T1HS24 | T1HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | T1HS11WH | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no Peg | Blank no Peg | Blank no Peg | Blank no Peg | Blank no Peg | Blank no Peg |

Comment:

Erste 4 Reihen immer Testmessung zur Evaluierung der benötigten Verdünnung. Wird nicht mit ausgewertet. Unverdünnte Messungen außerhalb der Linearität werden ebenfalls nicht ausgewertet. Dil.Faktor unverdünnte samples=2,75 (100µl sample+100µlRM+75µl stop sol.) Verdünnung (gelb) Dil.5*dil2,75=dil 13,5; rot dil 9*dil9*dil2,75=dil81

Date Operator _____ Date Control _____

| | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T1 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1HS11WH | T1 | G04 | 0.911 | 0.860 | 0.860 | 0.039 | 81 | 3.181 |
| 0 | T1 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T1 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T1 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no Peg | T1 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no Peg | T1 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no Peg | T1 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no Peg | T1 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no Peg | T1 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no Peg | T1 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T2 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A05 | 0.933 | 0.882 | 0.882 | 0.040 | 22 | 0.887 |
| 0 | T2 | A06 | 0.908 | 0.857 | 0.857 | 0.039 | 22 | 0.861 |
| T2HN2 | T2 | A07 | 0.853 | 0.802 | 0.802 | 0.037 | 22 | 0.804 |
| T2HN2 | T2 | A08 | 0.834 | 0.784 | 0.784 | 0.036 | 22 | 0.784 |
| 0 | T2 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T2HN4 | T2 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T2HN4 | T2 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T2 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T2HS14 | T2 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T2HS14 | T2 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

Plate: T2

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|-------|-------|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | 0.933 | 0.908 | 0.853 | 0.834 | | | 0.140 | 0.136 |
| B | | | | | | | | | | | 0.141 | 0.139 |
| C | | | | | | | 0.855 | 0.843 | 0.911 | 0.882 | 0.117 | 0.113 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | 0.490 | 0.485 | | | | | 0.056 | 0.055 | 0.055 | 0.055 | 0.056 | 0.063 |
| H | | | | | | | 0.052 | 0.053 | 0.053 | 0.053 | 0.052 | 0.052 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|--------|--------|--------|--------|--------|--------|
| A | | | | | | | T2HN2 | T2HN2 | | | T2HN4 | T2HN4 |
| B | | | | | | | | | | | T2HS14 | T2HS14 |
| C | | | | | | | T2HS22 | T2HS22 | T2HS13 | T2HS13 | T2HS24 | T2HS24 |
| D | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|------|---------|---|--------|--------|--|--|--|--|--------------|--------------|--------------|--------------|
| 0 | T2 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | E | | | | | | | | | | |
| 0 | T2 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | F | | | | | | | | | | |
| 0 | T2 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | G | T2HS11 | T2HS11 | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| 0 | T2 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |
| 0 | T2 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |
| 0 | T2 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| T2HS22 | T2 | C07 | 0.855 | 0.804 | 0.804 | 0.037 | 22 | 0.806 | | | | | | | | | | | |
| T2HS22 | T2 | C08 | 0.843 | 0.792 | 0.792 | 0.036 | 22 | 0.793 | | | | | | | | | | | |
| T2HS13 | T2 | C09 | 0.911 | 0.860 | 0.860 | 0.039 | 22 | 0.864 | | | | | | | | | | | |
| T2HS13 | T2 | C10 | 0.882 | 0.831 | 0.831 | 0.038 | 22 | 0.834 | | | | | | | | | | | |
| T2HS24 | T2 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| T2HS24 | T2 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| T2HS11 | T2 | G01 | 0.490 | 0.439 | 0.439 | 0.019 | 132 | 2.543 | | | | | | | | | | | |
| T2HS11 | T2 | G02 | 0.485 | 0.434 | 0.434 | 0.019 | 132 | 2.509 | | | | | | | | | | | |
| 0 | T2 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T2 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T2 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T2 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T2 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T2 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T2 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T2 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T2 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T2 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T2 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T2 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T2 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T2 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! | | | | | | | | | | | |
| 0 | T3 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T3 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T3 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T3 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |

Comment:

Dil faktor 8*2,75=dil.22
Dil faktor 8*6*2,75=dil.132

Date Operator

Date Control

| | | | | | | | | |
|-----------|----|-----|-------|-------|--------------|---------|-------|---------|
| T3HN1 | T3 | A05 | 0.460 | 0.409 | 0.409 | 0.018 | 2.75 | 0.049 |
| T3HN1 | T3 | A06 | 0.524 | 0.473 | 0.473 | 0.021 | 2.75 | 0.057 |
| T3HN2 | T3 | A07 | 0.298 | 0.247 | 0.247 | 0.010 | 2.75 | 0.028 |
| T3HN2 | T3 | A08 | 0.342 | 0.291 | 0.291 | 0.012 | 2.75 | 0.034 |
| T3HN3 | T3 | A09 | 0.392 | 0.341 | 0.341 | 0.015 | 2.75 | 0.040 |
| T3HN3 | T3 | A10 | 0.394 | 0.343 | 0.343 | 0.015 | 2.75 | 0.040 |
| T3HN4 | T3 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3HN4 | T3 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3HS14 | T3 | B11 | 0.144 | 0.093 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T3HS14 | T3 | B12 | 0.148 | 0.098 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T3 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3HS21 | T3 | C05 | 0.766 | 0.715 | 0.715 | 0.032 | 24.75 | 0.802 |
| T3HS21 | T3 | C06 | 0.765 | 0.714 | 0.714 | 0.032 | 24.75 | 0.801 |
| T3HS22 | T3 | C07 | 0.780 | 0.729 | 0.729 | 0.033 | 24.75 | 0.818 |
| T3HS22 | T3 | C08 | 0.798 | 0.745 | 0.745 | 0.034 | 24.75 | 0.836 |
| T3HS23 | T3 | C09 | 0.634 | 0.583 | 0.583 | 0.026 | 24.75 | 0.646 |
| T3HS23 | T3 | C10 | 0.647 | 0.596 | 0.596 | 0.027 | 24.75 | 0.662 |
| T3HS24 | T3 | C11 | 0.110 | 0.060 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3HS24 | T3 | C12 | 0.121 | 0.070 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T3 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

Plate: T3

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | 0.460 | 0.524 | 0.298 | 0.342 | 0.392 | 0.394 | 0.138 | 0.152 |
| B | | | | | | | | | | | 0.144 | 0.148 |
| C | | | | | 0.766 | 0.765 | 0.780 | 0.796 | 0.634 | 0.647 | 0.110 | 0.121 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.052 | 0.048 | 0.052 | 0.052 | 0.047 | 0.046 |
| H | | | | | | | 0.051 | 0.060 | 0.059 | 0.054 | 0.055 | |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | T3HN1 | T3HN1 | T3HN2 | T3HN2 | T3HN3 | T3HN3 | T3HN4 | T3HN4 |
| B | | | | | | | | | | | | |
| C | | | | | T3HS21 | T3HS21 | T3HS22 | T3HS22 | T3HS23 | T3HS23 | T3HS24 | T3HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

dil9*2,75=dil24,75

Comment:

Date Operator Date Control

| | | | | | | | | |
|--------------|----|-----|---|---|--------------|---------|------|---------|
| Blank PEG | T3 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T3 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T3 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|------|------|---------|---|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | 0.148 | 1.579 | 1.652 | 1.627 | 1.62 | 0.03 | 1.87 | 0.047 | 1.568 | 0.148 | -0.24 | 0.00 |
| KLP2 | 0.114 | 1.357 | 1.443 | 1.372 | 1.39 | 0.04 | 2.70 | 0.054 | 1.340 | 0.110 | -3.40 | 0.00 |
| KLP3 | 0.074 | 1.272 | 1.193 | 1.228 | 1.23 | 0.03 | 2.63 | 0.051 | 1.180 | 0.084 | 13.04 | 0.01 |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.94 | 0.04 | 4.19 | 0.051 | 0.887 | 0.035 | -13.32 | -0.01 |
| KLP5 | | | | | | | | 0.052 | | | | |
| KLP6 | | | | | | | | 0.051 | | | | |
| KLP7 | | | | | | | | | | | | |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|---|--|---------------------|-------------|
| Geradensteigung | Slope | m | 6.05 |
| Y-Achsenabschnitt | Y-intercept | b | 0.67 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.620291227 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.063694294 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.006579604 |
| Bereichsmittle | | | 0.094336926 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 8.722319527 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 3.384093228 |
| Vertrauensbereich Achsenabschnitt (95 %) O _g | | b + VB _b | 0.946914615 |
| Vertrauensbereich Achsenabschnitt (95 %) U _g | | b - VB _b | 0.398761518 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9897 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9794 |
| Reststandardabweichung | | S ₀ | 0.050310948 |
| Summe Restquadrate | | sd | 2.895583345 |
| Verfahrensstandardabw. | | S ₀₀ | 0.008311454 |
| Rel. Verfahrensstandardabw. % | | V ₀₀ | 8.810393374 |

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0 |
| x ² SD (LOD) | 3 |
| LLOQ (AU) | 0 |
| LOD (AU) | 0 |
| ULOQ | 1.568 |
| LLOQ (Lin) | 0.887 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date _____ Operator _____ Date _____ Control _____

Figure 1 Linearity

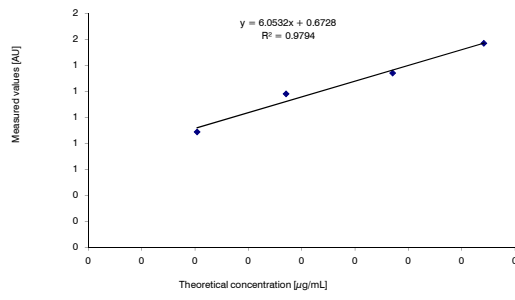
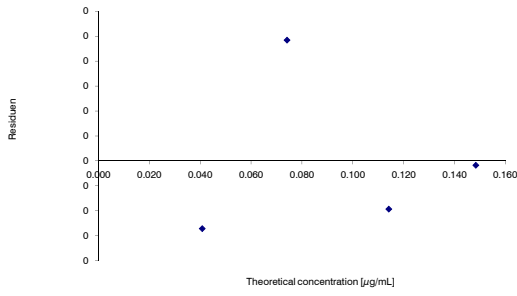


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | TO | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHN1 | TO | A05 | 1.126 | 1.075 | 1.075 | 0.066 | 88 | 5.847 |
| TOHN1 | TO | A06 | 1.411 | 1.360 | 1.360 | 0.114 | 88 | 9.991 |
| TOHN2 | TO | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHN2 | TO | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHN3 | TO | A09 | 1.266 | 1.215 | 1.215 | 0.090 | 88 | 7.883 |
| TOHN3 | TO | A10 | 1.141 | 1.090 | 1.090 | 0.069 | 88 | 6.066 |
| TOHN4 | TO | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHN4 | TO | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS11 | TO | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS11 | TO | B06 | 1.610 | 1.559 | 1.559 | 0.146 | 88 | 12.884 |
| TOHS12 | TO | B07 | 1.471 | 1.420 | 1.420 | 0.123 | 88 | 10.863 |
| TOHS12 | TO | B08 | 1.476 | 1.425 | 1.425 | 0.124 | 88 | 10.936 |
| TOHS13 | TO | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS13 | TO | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS14 | TO | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS14 | TO | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS21 | TO | C05 | 1.619 | 1.568 | 1.568 | 0.148 | 88 | 13.015 |
| TOHS21 | TO | C06 | 1.359 | 1.308 | 1.308 | 0.105 | 88 | 9.235 |
| TOHS22 | TO | C07 | 1.118 | 1.067 | 1.067 | 0.085 | 88 | 5.731 |
| TOHS22 | TO | C08 | 1.137 | 1.086 | 1.086 | 0.088 | 88 | 6.007 |
| TOHS23 | TO | C09 | 1.055 | 1.004 | 1.004 | 0.055 | 88 | 4.815 |
| TOHS23 | TO | C10 | 0.994 | 0.943 | 0.943 | 0.045 | 88 | 3.928 |
| TOHS24 | TO | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOHS24 | TO | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: TO

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | 1.126 | 1.411 | | | 1.266 | 1.141 | | |
| B | | | | | | 1.610 | 1.471 | 1.476 | | | | |
| C | | | | | 1.619 | 1.359 | 1.118 | 1.137 | 1.055 | 0.994 | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.061 | 0.065 | 0.056 | 0.055 | 0.055 | 0.057 |
| H | | | | | | | 0.051 | 0.05 | 0.051 | 0.05 | 0.05 | 0.049 |

| Plattenbelegung | | | | | | | | | | | | |
|-----------------|---|---|---|---|--------|--------|--------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | TOHN1 | TOHN1 | TOHN2 | TOHN2 | TOHN3 | TOHN3 | TOHN4 | TOHN4 |
| B | | | | | TOHS11 | TOHS11 | TOHS12 | TOHS12 | TOHS13 | TOHS13 | TOHS14 | TOHS14 |
| C | | | | | TOHS21 | TOHS21 | TOHS22 | TOHS22 | TOHS23 | TOHS23 | TOHS24 | TOHS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:
 Erste 4 Reihen immer Testmessung zur Evaluierung der benötigten Verdünnung. Wird nicht mit ausgewertet. Unverdünte Messungen außerhalb der Linearität werden ebenfalls nicht ausgewertet. Dil.Faktor unverdünnte samples=2,75 (100µl sample+100µlRM+75µl stop sol.) Verdünnung Dil.8 Dil.8*Dil.2,75=Dil.22, Rot= 2* verdünnt, Dil4 und Dil 8, also Dil 2,75*Dil8*Dil4=Dil88

Samples aufgeteilt in lin high und low;niedriger konzentrierte Samples bei lin low zu finden.

Date Operator Date Control

| | | | | | | | | |
|--------------|----|-----|-------|--------|--------------|---------|------|---------|
| 0 | T0 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T0 | G07 | 0.061 | 0.010 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0 | G08 | 0.065 | 0.014 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0 | G09 | 0.056 | 0.005 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0 | G10 | 0.055 | 0.004 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0 | G11 | 0.055 | 0.004 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0 | G12 | 0.057 | 0.006 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T0 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T0 | H07 | 0.051 | 0.000 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0 | H08 | 0.050 | -0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0 | H09 | 0.051 | 0.000 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0 | H10 | 0.050 | -0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0 | H11 | 0.050 | -0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0 | H12 | 0.049 | -0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|--------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T1 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1HN1 | T1 | A05 | 1.200 | 1.149 | 1.149 | 0.079 | 2.75 | 0.216 |
| T1HN1 | T1 | A06 | 1.072 | 1.021 | 1.021 | 0.058 | 2.75 | 0.158 |
| 0 | T1 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A09 | 1.266 | 1.215 | 1.215 | 0.090 | 2.75 | 0.246 |
| 0 | T1 | A10 | 1.141 | 1.090 | 1.090 | 0.069 | 2.75 | 0.190 |
| 0 | T1 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1HS11 | T1 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1HS11 | T1 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1HS12 | T1 | B07 | 1.575 | 1.524 | 1.524 | 0.141 | 2.75 | 0.387 |
| T1HS12 | T1 | B08 | 1.474 | 1.423 | 1.423 | 0.124 | 2.75 | 0.341 |
| T1HS13 | T1 | B09 | 1.325 | 1.274 | 1.274 | 0.099 | 2.75 | 0.273 |
| T1HS13 | T1 | B10 | 1.299 | 1.248 | 1.248 | 0.095 | 2.75 | 0.261 |
| 0 | T1 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1HS21 | T1 | C05 | 1.216 | 1.165 | 1.165 | 0.081 | 2.75 | 0.223 |
| T1HS21 | T1 | C06 | 1.428 | 1.377 | 1.377 | 0.116 | 2.75 | 0.320 |
| T1HS22 | T1 | C07 | 1.153 | 1.102 | 1.102 | 0.071 | 2.75 | 0.195 |
| T1HS22 | T1 | C08 | 1.237 | 1.186 | 1.186 | 0.085 | 2.75 | 0.233 |
| T1HS23 | T1 | C09 | 1.217 | 1.166 | 1.166 | 0.082 | 2.75 | 0.224 |
| T1HS23 | T1 | C10 | 1.351 | 1.300 | 1.300 | 0.104 | 2.75 | 0.265 |
| 0 | T1 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T1

| | | | | | | | | | | | | |
|---|---|---|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | 1.200 | 1.072 | | | 1.266 | 1.141 | | |
| B | | | | | | | 1.575 | 1.474 | 1.325 | 1.299 | | |
| C | | | | | 1.216 | 1.428 | 1.153 | 1.237 | 1.217 | 1.351 | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | 0.998 | | | | 0.064 | 0.054 | 0.052 | 0.056 | 0.051 | 0.055 |
| H | | | | | | | 0.051 | 0.051 | 0.051 | 0.052 | 0.052 | 0.052 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|----------|----------|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T1HN1 | T1HN1 | | | | | | |
| B | | | | | T1HS11 | T1HS11 | T1HS12 | T1HS12 | T1HS13 | T1HS13 | | |
| C | | | | | T1HS21 | T1HS21 | T1HS22 | T1HS22 | T1HS23 | T1HS23 | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | T1HS11WH | T1HS11WH | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no Peg | Blank no Peg | Blank no Peg | Blank no Peg | Blank no Peg | Blank no Peg |

Comment:

Erste 4 Reihen immer Testmessung zur Evaluierung der benötigten Verdünnung. Wird nicht mit ausgewertet. Unverdünnte Messungen außerhalb der Linearität werden ebenfalls nicht ausgewertet. Dil.Faktor unverdünnte samples=2,75 (100µl sample+100µlRM+75µl stop sol.) Verdünnung (gelb) Dil.5*dil2,75=dil 13,5; rot dil 9*dil9*dil2,75=dil81

Date Operator

Date Control

| | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T1 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1HS11WH | T1 | G03 | 0.998 | 0.947 | 0.947 | 0.045 | 81 | 3.671 |
| T1HS11WH | T1 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T1 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T1 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no Peg | T1 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no Peg | T1 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no Peg | T1 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no Peg | T1 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no Peg | T1 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no Peg | T1 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T2 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T2HN1 | T2 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T2HN1 | T2 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T2HN3 | T2 | A09 | 1.078 | 1.027 | 1.027 | 0.059 | 22 | 1.289 |
| T2HN3 | T2 | A10 | 1.053 | 1.003 | 1.003 | 0.054 | 22 | 1.198 |
| 0 | T2 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T2HS12 | T2 | B07 | 1.246 | 1.195 | 1.195 | 0.086 | 22 | 1.897 |
| T2HS12 | T2 | B08 | 1.362 | 1.311 | 1.311 | 0.105 | 22 | 2.320 |
| T2HS13 | T2 | B09 | 1.168 | 1.117 | 1.117 | 0.073 | 22 | 1.616 |
| T2HS13 | T2 | B10 | 1.384 | 1.333 | 1.333 | 0.109 | 22 | 2.399 |
| 0 | T2 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T2

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | 1.078 | 1.053 | |
| B | | | | | | | 1.246 | 1.362 | 1.168 | 1.384 | | |
| C | | | | | 0.958 | 0.995 | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.056 | 0.055 | 0.055 | 0.055 | 0.056 | 0.063 |
| H | | | | | | | 0.052 | 0.053 | 0.053 | 0.053 | 0.052 | 0.052 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|--------|--------|--------|--------|--------|--------|--------|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T2HN1 | T2HN1 | | | | T2HN3 | T2HN3 | |
| B | | | | | | | T2HS12 | T2HS12 | T2HS13 | T2HS13 | | |
| C | | | | | T2HS21 | T2HS21 | | | | T2HS23 | T2HS23 | |
| D | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|------|---------|---|--|--|--|--|--|--|--|--|--|--|--|
| 0 | T2 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | E | | | | | | | | | | | |
| 0 | T2 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | F | | | | | | | | | | | |
| 0 | T2 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | G | | | | | | | | | | | |
| 0 | T2 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | H | | | | | | | | | | | |
| T2HS21 | T2 | C05 | 0.958 | 0.907 | 0.907 | 0.039 | 22 | 0.852 | | | | | | | | | | | | |
| T2HS21 | T2 | C06 | 0.995 | 0.944 | 0.944 | 0.045 | 22 | 0.984 | | | | | | | | | | | | |
| 0 | T2 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| T2HS23 | T2 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| T2HS23 | T2 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T2 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T2 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T2 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T2 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T2 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T2 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T2 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T2 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T2 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T2 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T2 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T2 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T2 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |

Comment:

dil8*2,75=dil.22

Date Operator Date Control

| | | | | | | | | |
|--------|----|-----|-------|-------|--------------|---------|-------|---------|
| 0 | T3 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3HS11 | T3 | B05 | 1.359 | 1.308 | 1.308 | 0.105 | 24.75 | 2.599 |
| T3HS11 | T3 | B06 | 1.418 | 1.367 | 1.367 | 0.115 | 24.75 | 2.839 |
| T3HS12 | T3 | B07 | 1.251 | 1.200 | 1.200 | 0.087 | 24.75 | 2.156 |
| T3HS12 | T3 | B08 | 1.253 | 1.202 | 1.202 | 0.087 | 24.75 | 2.165 |
| T3HS13 | T3 | B09 | 1.184 | 1.133 | 1.133 | 0.076 | 24.75 | 1.881 |
| T3HS13 | T3 | B10 | 1.089 | 1.038 | 1.038 | 0.060 | 24.75 | 1.491 |
| 0 | T3 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T3

| | | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | | | | | | | | | |
| B | | | | | 1.359 | 1.418 | 1.251 | 1.253 | 1.184 | 1.089 | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | |
| G | | | | | | | | 0.052 | 0.048 | 0.052 | 0.052 | 0.047 | 0.046 |
| H | | | | | | | | 0.051 | 0.060 | 0.059 | 0.054 | 0.055 | 0.055 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

dil9*2.75=dil24.75

Comment:

Date Operator

Date Control

| | | | | | | | | |
|--------------|----|-----|---|---|--------------|---------|------|---------|
| 0 | T3 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T3 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T3 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T3 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.447 | 1.739 | | 1.170 | | | | | | 0.667 | 0.440 | 0.043 |
| 1.447 | 1.332 | | 1.392 | 0.137 | 0.146 | 0.130 | 0.138 | 0.109 | 0.729 | 0.478 | 0.042 |
| 1.391 | 1.281 | | 1.311 | 0.204 | 0.184 | 0.184 | 0.198 | 0.201 | 0.743 | 0.474 | 0.043 |
| 0.961 | 0.835 | | 1.405 | 0.336 | 0.347 | 0.375 | 0.387 | 0.300 | 0.824 | 0.483 | 0.044 |
| 0.445 | 0.441 | | 1.280 | 1.085 | 1.086 | 1.218 | 1.004 | 0.873 | 0.704 | 0.457 | 0.041 |
| 0.355 | 0.315 | | 1.332 | 1.768 | 1.925 | 1.753 | 1.739 | 1.606 | | | 0.036 |
| 0.223 | 0.188 | 1.666 | 1.499 | 1.632 | | 0.048 | 0.046 | 0.047 | 0.048 | 0.048 | 0.048 |
| 0.118 | 0.106 | 1.556 | 1.622 | 1.573 | | 0.047 | 0.054 | 0.051 | 0.051 | 0.052 | 0.051 |

1

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.652 | 1.627 | | 1.188 | 0.748 | 0.811 | 0.764 | 0.753 | 0.674 | 0.751 | 0.529 | 0.044 |
| 1.443 | 1.372 | | 1.364 | 0.139 | 0.147 | 0.131 | 0.139 | 0.110 | 0.811 | 0.561 | 0.043 |
| 1.377 | 1.281 | | 1.284 | 0.206 | 0.189 | 0.184 | 0.200 | 0.202 | 0.821 | 0.560 | 0.044 |
| 0.972 | 0.883 | | 1.387 | 0.339 | 0.349 | 0.386 | 0.406 | 0.312 | 0.903 | 0.565 | 0.044 |
| 0.484 | 0.474 | | 1.298 | 1.087 | 1.113 | 1.203 | 1.022 | 0.903 | 0.790 | 0.544 | 0.042 |
| 0.359 | 0.326 | | 1.308 | 1.622 | 1.622 | 1.630 | 1.625 | 1.550 | | | 0.037 |
| 0.228 | 0.199 | 1.527 | 1.373 | 1.462 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.109 | 1.473 | 1.410 | 1.371 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

2

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.579 | 1.475 | | 1.150 | 1.210 | 1.303 | 1.202 | 1.219 | 1.125 | 0.759 | 0.549 | 0.043 |
| 1.357 | 1.303 | | 1.283 | 0.140 | 0.148 | 0.131 | 0.139 | 0.111 | 0.820 | 0.575 | 0.043 |
| 1.323 | 1.228 | | 1.227 | 0.206 | 0.188 | 0.184 | 0.198 | 0.201 | 0.824 | 0.579 | 0.043 |
| 0.959 | 0.872 | | 1.321 | 0.339 | 0.348 | 0.387 | 0.406 | 0.314 | 0.909 | 0.580 | 0.044 |
| 0.483 | 0.473 | | 1.270 | 1.069 | 1.103 | 1.181 | 1.017 | 0.903 | 0.798 | 0.560 | 0.042 |
| 0.360 | 0.326 | | 1.270 | 1.497 | 1.448 | 1.496 | 1.494 | 1.449 | | | 0.037 |
| 0.228 | 0.199 | 1.374 | 1.262 | 1.314 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.346 | 1.262 | 1.253 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

3

| | | | | | | | | | | | |
|-------|-------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.511 | 1.369 | | | 1.538 | 1.712 | 1.528 | 1.502 | 1.425 | | | 0.043 |
| 1.296 | 1.261 | | | | | | | | | | 0.043 |
| 1.272 | 1.193 | | | | | | | | | | 0.043 |
| 0.947 | 0.859 | | | | | | | | | | 0.044 |
| 0.481 | 0.471 | | | | | | | | | | 0.042 |
| 0.361 | 0.325 | | | | | | | | | | 0.037 |
| 0.229 | 0.199 | | | | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.047 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

4

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.493 | 1.317 | 1.678 | 1.110 | 1.621 | 1.807 | 1.618 | 1.584 | 1.508 | 0.765 | 0.597 | 0.043 |
| 1.259 | 1.238 | 1.850 | 1.197 | 0.139 | 0.150 | 0.132 | 0.139 | 0.111 | 0.821 | 0.588 | 0.043 |
| 1.248 | 1.175 | 1.816 | 1.153 | 0.204 | 0.188 | 0.184 | 0.197 | 0.199 | 0.831 | 0.599 | 0.044 |
| 0.943 | 0.859 | 1.970 | 1.231 | 0.338 | 0.357 | 0.386 | 0.406 | 0.316 | 0.916 | 0.595 | 0.044 |
| 0.480 | 0.470 | 2.220 | 1.220 | 1.054 | 1.088 | 1.154 | 1.006 | 0.902 | 0.805 | 0.579 | 0.042 |
| 0.359 | 0.325 | 2.149 | 1.211 | 1.395 | 1.324 | 1.348 | 1.345 | 1.317 | 0.037 | 0.037 | 0.037 |
| 0.228 | 0.199 | 1.240 | 1.151 | 1.183 | 0.034 | 0.049 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.223 | 1.132 | 1.146 | 0.038 | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

5

| | | | | | | | | | | | |
|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.434 | 1.258 | | 1.090 | 1.648 | 1.876 | 1.649 | 1.627 | 1.535 | | | |
| 1.217 | 1.201 | | 1.149 | | | | | | | | |
| 1.205 | 1.143 | | 1.109 | | | | | | | | |
| 0.935 | 0.845 | | 1.182 | | | | | | | | |
| 0.477 | 0.469 | | 1.181 | | | | | | | | |
| 0.360 | 0.323 | | 1.167 | | | | | | | | |
| 0.229 | 0.200 | | | | | 0.049 | 0.047 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

6

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.013 | 0.810 | | 0.668 | 0.808 | 0.940 | 0.720 | 0.798 | 0.687 | 0.904 | 0.845 | 0.043 |
| 0.709 | 0.827 | | 0.703 | 0.142 | 0.156 | 0.136 | 0.137 | 0.116 | 0.990 | 0.846 | 0.042 |
| 0.682 | 0.692 | | 0.680 | 0.197 | 0.188 | 0.190 | 0.191 | 0.184 | 1.023 | 0.861 | 0.043 |
| 0.507 | 0.519 | | 0.740 | 0.316 | 0.264 | 0.364 | 0.377 | 0.312 | 1.111 | 0.870 | 0.043 |
| 0.394 | 0.406 | | 0.682 | 0.580 | 0.561 | 0.600 | 0.529 | 0.563 | 0.962 | 0.834 | 0.042 |
| 0.333 | 0.322 | | 0.661 | 0.995 | 0.930 | 0.848 | 0.832 | 0.797 | 0.037 | 0.037 | 0.037 |
| 0.229 | 0.201 | 0.843 | 0.679 | 0.732 | | 0.048 | 0.046 | 0.047 | | | 0.047 |
| 0.124 | 0.111 | 0.773 | 0.682 | 0.701 | | 0.047 | 0.053 | 0.051 | 0.051 | 0.052 | 0.051 |

7

Absorbance @ 450 (1.0s) (A)
0.000

| | | | | | |
|--------------------|--------------|------------------------------|----------------------|----------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (instrument method) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full_v2 | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| cold substance | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| | name | LDH | ACB-ID of cocktail | n.a. | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PEG | Remarks |
| | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| n.a. | n.a. | Pipettes (No. / volume) | 50-200µl | Remarks | KLP4 common for both |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|-------|------|---------|---|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | | | | | | | | 0.047 | | | | |
| KLP2 | | | | | | | | 0.054 | | | | |
| KLP3 | | | | | | | | 0.051 | | | | |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.938 | 0.04 | 4.19 | 0.051 | 0.887 | 0.041 | -0.57 | 0.00 |
| KLP5 | 0.018 | 0.483 | 0.484 | 0.474 | 0.480 | 0.00 | 0.98 | 0.052 | 0.429 | 0.019 | 2.42 | 0.00 |
| KLP6 | 0.012 | 0.360 | 0.359 | 0.326 | 0.348 | 0.02 | 4.54 | 0.051 | 0.297 | 0.013 | 5.00 | 0.00 |
| KLP7 | 0.007 | 0.228 | 0.228 | 0.199 | 0.218 | 0.014 | 6.35 | | 0.168 | 0.006 | -11.29 | 0.00 |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|--------------|
| Geradensteigung | Slope | m | 21.03 |
| Y-Achsenabschnitt | Y-Intercept | b | 0.03 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.648055501 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.015177452 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.000664046 |
| Bereichsmittle | | | 0.019557193 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 23.81763508 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 18.24046944 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.099335829 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | -0.031281327 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9991 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9981 |
| Reststandardabweichung | | S ₀ | 0.01669983 |
| Summe Restquadrate | | sd | 0.657385838 |
| Verfahrensstandardabw. | | S ₀₀ | 0.000794131 |
| Rel. Verfahrensstandardabw. % | | V ₀₀ | 4.060559029 |

Berichten

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0.01 |
| x ² SD (LOD) | 0.01 |
| LLOQ (AU) | 0.061 |
| LOD (AU) | 0.067 |
| ULOQ | 0.887 |
| LLOQ (Lin) | 0.168 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date Operator Date Operator Control

Figure 1 Linearity

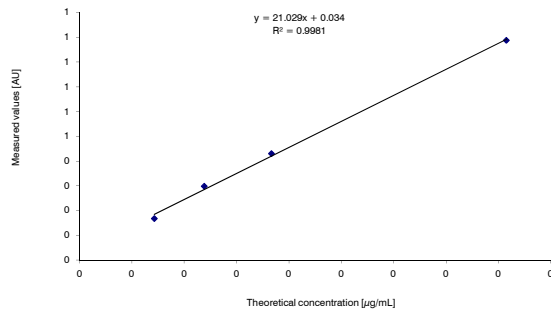
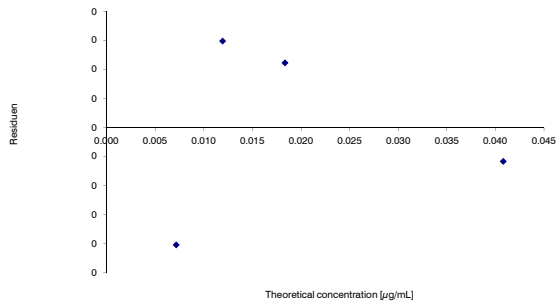


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| | | | | | | | |
|--------------------|--------------|------------------------------|---------------------------------|------------------------------|---|-------------------------|-------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa | LLOQ [AU] | 0.168 |
| GLP Study (Number) | n.a. | Protocol (Instrument method) | LDH test 2016 | Date of preparation | 43209 | ULOQ [AU] | 0.887 |
| hot substance | Isotope | File name (results) | IsBa_180419/20_LDH_full_val_1/2 | Date of measurement | 43209 | Blank | 0.051 |
| | Name | Kind of well plate | 96 well | Shaking time [min] | 30 | | n.a. |
| | ACB-ID | sample volume [µL] | 100 | Stirring rate (Target) [rpm] | 150 | | n.a. |
| | Batch number | Cocktail volume [µL] | 175 | Kind of measurement | UV-vis | Pipettes (No. / volume) | n.a. |
| cold substance | Name | ACB-ID of cocktail | n.a. | Wave length [nm] | 450 | Pipettes (No. / volume) | n.a. |
| | ACB-ID | Matrix | DMEM (from powder)+PEG | Remarks | Sui mitgemessen auf der Platte aber Aus | Pipettes (No. / volume) | n.a. |
| | Batch number | Blank description | DMEM/PEG, H2O | Remarks | n.a. | Remarks | n.a. |

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T4 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HN1 | T4 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HN1 | T4 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HN2 | T4 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HN2 | T4 | A08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HN3 | T4 | A09 | 0.915 | 0.864 | 0.864 | 0.039 | 24.75 | 0.977 |
| T4HN3 | T4 | A10 | 0.921 | 0.870 | 0.870 | 0.040 | 24.75 | 0.984 |
| T4HN4 | T4 | A11 | 0.436 | 0.385 | 0.385 | 0.017 | 2.75 | 0.046 |
| T4HN4 | T4 | A12 | 0.431 | 0.380 | 0.380 | 0.016 | 2.75 | 0.045 |
| 0 | T4 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS11 | T4 | B05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS11 | T4 | B06 | 0.846 | 0.795 | 0.795 | 0.036 | 24.75 | 0.896 |
| T4HS12 | T4 | B07 | 0.590 | 0.539 | 0.539 | 0.024 | 24.75 | 0.595 |
| T4HS12 | T4 | B08 | 0.597 | 0.546 | 0.546 | 0.024 | 24.75 | 0.603 |
| T4HS13 | T4 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS13 | T4 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS14 | T4 | B11 | 0.169 | 0.118 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T4HS14 | T4 | B12 | 0.174 | 0.124 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T4 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS21 | T4 | C05 | 0.558 | 0.507 | 0.507 | 0.022 | 11 | 0.247 |
| T4HS21 | T4 | C06 | 0.564 | 0.513 | 0.513 | 0.023 | 11 | 0.250 |
| T4HS22 | T4 | C07 | 0.603 | 0.552 | 0.552 | 0.025 | 11 | 0.271 |
| T4HS22 | T4 | C08 | 0.587 | 0.536 | 0.536 | 0.024 | 11 | 0.263 |
| T4HS23 | T4 | C09 | 0.591 | 0.540 | 0.540 | 0.024 | 11 | 0.264 |
| T4HS23 | T4 | C10 | 0.594 | 0.543 | 0.543 | 0.024 | 11 | 0.266 |
| T4HS24 | T4 | C11 | 0.198 | 0.147 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T4HS24 | T4 | C12 | 0.201 | 0.150 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T4 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T4

| Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test |
|------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | | | | | 0.915 | 0.921 | 0.436 | 0.431 | |
| B | | | | | | 0.846 | 0.590 | 0.597 | | | 0.169 | 0.174 | |
| C | | | | | 0.558 | 0.564 | 0.603 | 0.587 | 0.591 | 0.594 | 0.198 | 0.201 | |
| D | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | |
| G | 0.633 | 0.717 | | | | | 0.052 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 | |
| H | | | | | | | 0.050 | 0.050 | 0.053 | 0.050 | 0.051 | 0.050 | |

| Plattenbelegung | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------------|--------|--------|---|--------|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | | | | | | | | |
| B | | | | T4HN1 | T4HN1 | T4HN2 | T4HN2 | T4HN3 | T4HN3 | T4HN4 | T4HN4 | |
| C | | | | T4HS11 | T4HS11 | T4HS12 | T4HS12 | T4HS13 | T4HS13 | T4HS14 | T4HS14 | |
| D | | | | T4HS21 | T4HS21 | T4HS22 | T4HS22 | T4HS23 | T4HS23 | T4HS24 | T4HS24 | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | T4HS13 | T4HS13 | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Samples aufgeteilt in lin high und low: höher konzentrierte Samples bei lin high zu finden.

dil 9*dil2,75=dil.24.75
 dil 4*dil2,75=dil.11

Comment:

Date Operator Date Control

| | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|-------|---------|
| 0 | T4 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS13 | T4 | G01 | 0.633 | 0.582 | 0.582 | 0.028 | 24.75 | 0.645 |
| T4HS13 | T4 | G02 | 0.717 | 0.666 | 0.666 | 0.030 | 24.75 | 0.744 |
| 0 | T4 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T4 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T4 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T4 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|--------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T5 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HN1 | T5 | A05 | 0.749 | 0.699 | 0.699 | 0.032 | 27.5 | 0.869 |
| T5HN1 | T5 | A06 | 0.763 | 0.712 | 0.712 | 0.032 | 27.5 | 0.886 |
| T5HN2 | T5 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HN2 | T5 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HN3 | T5 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HN3 | T5 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HN4 | T5 | A11 | 0.735 | 0.684 | 0.684 | 0.031 | 2.75 | 0.085 |
| T5HN4 | T5 | A12 | 0.717 | 0.666 | 0.666 | 0.030 | 2.75 | 0.083 |
| 0 | T5 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS11 | T5 | B05 | 0.323 | 0.272 | 0.272 | 0.011 | 2.75 | 0.031 |
| T5HS11 | T5 | B06 | 0.315 | 0.265 | 0.265 | 0.011 | 2.75 | 0.030 |
| T5HS12 | T5 | B07 | 0.263 | 0.212 | 0.212 | 0.008 | 2.75 | 0.023 |
| T5HS12 | T5 | B08 | 0.273 | 0.222 | 0.222 | 0.009 | 2.75 | 0.025 |
| T5HS13 | T5 | B09 | 0.403 | 0.352 | 0.352 | 0.015 | 2.75 | 0.042 |
| T5HS13 | T5 | B10 | 0.405 | 0.354 | 0.354 | 0.015 | 2.75 | 0.042 |
| T5HS14 | T5 | B11 | 0.192 | 0.141 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T5HS14 | T5 | B12 | 0.198 | 0.147 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T5 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS21 | T5 | C05 | 0.636 | 0.585 | 0.585 | 0.026 | 8.25 | 0.216 |
| T5HS21 | T5 | C06 | 0.661 | 0.610 | 0.610 | 0.027 | 8.25 | 0.226 |
| T5HS22 | T5 | C07 | 0.715 | 0.664 | 0.664 | 0.030 | 8.25 | 0.247 |
| T5HS22 | T5 | C08 | 0.706 | 0.655 | 0.655 | 0.030 | 8.25 | 0.244 |
| T5HS23 | T5 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS23 | T5 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS24 | T5 | C11 | 0.232 | 0.181 | 0.181 | 0.007 | 2.75 | 0.019 |
| T5HS24 | T5 | C12 | 0.230 | 0.179 | 0.179 | 0.007 | 2.75 | 0.019 |
| 0 | T5 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T5

| | | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | 0.749 | 0.763 | | | | | | 0.735 | 0.717 |
| B | | | | | 0.323 | 0.315 | 0.263 | 0.273 | 0.403 | 0.405 | | 0.192 | 0.198 |
| C | | | | | 0.636 | 0.661 | 0.715 | 0.706 | | | | 0.232 | 0.230 |
| D | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | |
| G | | | | | | | 0.053 | 0.053 | 0.054 | 0.053 | 0.053 | 0.052 | 0.052 |
| H | | | | | | | 0.101 | 0.056 | 0.052 | 0.050 | 0.054 | 0.053 | 0.053 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T5HN1 | T5HN1 | T5HN2 | T5HN2 | T5HN3 | T5HN3 | T5HN4 | T5HN4 |
| B | | | | | T5HS11 | T5HS11 | T5HS12 | T5HS12 | T5HS13 | T5HS13 | T5HS14 | T5HS14 |
| C | | | | | T5HS21 | T5HS21 | T5HS22 | T5HS22 | T5HS23 | T5HS23 | T5HS24 | T5HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

dil 10*dil2,75=dil.27,5
dil3*dil2,75=dil.8,25

Comment:

Date _____ Operator _____

Date _____ Control _____

| | | | | | | | | |
|--------------|----|-----|-------|--------|--------------|---------|-------|---------|
| 0 | T5 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T5 | G07 | 0.053 | 0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G08 | 0.053 | 0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G09 | 0.054 | 0.003 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G10 | 0.053 | 0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G11 | 0.053 | 0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G12 | 0.052 | 0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T5 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T5 | H07 | 0.101 | 0.050 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H08 | 0.056 | 0.005 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H09 | 0.052 | 0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H10 | 0.050 | -0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H11 | 0.054 | 0.003 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H12 | 0.053 | 0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T6 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HN1 | T6 | A05 | 0.873 | 0.822 | 0.822 | 0.037 | 22 | 0.824 |
| T6HN1 | T6 | A06 | 0.588 | 0.537 | 0.024 | 22 | 0.526 | |
| T6HN2 | T6 | A07 | 0.744 | 0.693 | 0.031 | 22 | 0.690 | |
| T6HN2 | T6 | A08 | 0.778 | 0.727 | 0.033 | 22 | 0.725 | |
| T6HN3 | T6 | A09 | 0.518 | 0.467 | 0.021 | 22 | 0.453 | |
| T6HN3 | T6 | A10 | 0.513 | 0.462 | 0.020 | 22 | 0.448 | |
| T6HN4 | T6 | A11 | 0.634 | 0.583 | 0.026 | 2.75 | 0.072 | |
| T6HN4 | T6 | A12 | 0.620 | 0.569 | 0.025 | 2.75 | 0.070 | |
| 0 | T6 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HS11 | T6 | B05 | 0.274 | 0.223 | 0.009 | 2.75 | 0.025 | |
| T6HS11 | T6 | B06 | 0.273 | 0.222 | 0.009 | 2.75 | 0.025 | |
| T6HS12 | T6 | B07 | 0.262 | 0.211 | 0.008 | 2.75 | 0.023 | |
| T6HS12 | T6 | B08 | 0.271 | 0.220 | 0.009 | 2.75 | 0.024 | |
| T6HS13 | T6 | B09 | 0.261 | 0.210 | 0.008 | 2.75 | 0.023 | |
| T6HS13 | T6 | B10 | 0.272 | 0.221 | 0.009 | 2.75 | 0.024 | |
| T6HS14 | T6 | B11 | 0.190 | 0.139 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T6HS14 | T6 | B12 | 0.194 | 0.143 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T6 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T6

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | 0.873 | 0.588 | 0.744 | 0.778 | 0.518 | 0.513 | 0.634 | 0.620 |
| B | | | | | 0.274 | 0.273 | 0.262 | 0.271 | 0.261 | 0.272 | 0.190 | 0.194 |
| C | | | | | | | | | | | 0.232 | 0.227 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.051 | 0.050 | 0.050 | 0.052 | 0.051 | 0.051 |
| H | | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.049 | 0.049 |

Plattenbelegung dil8*dil2,75=dil22

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|--------|--------|--------|--------|--------|--------|--------|--------|
| A | | | | | T6HN1 | T6HN1 | T6HN2 | T6HN2 | T6HN3 | T6HN3 | T6HN4 | T6HN4 |
| B | | | | | T6HS11 | T6HS11 | T6HS12 | T6HS12 | T6HS13 | T6HS13 | T6HS14 | T6HS14 |
| C | | | | | T6HS21 | T6HS21 | T6HS22 | T6HS22 | T6HS23 | T6HS23 | T6HS24 | T6HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |

| | | | | | | | | |
|-----------|----|-----|-------|--------------|---------|-------|-------|---------|
| T7HN1 | T7 | A06 | 0.301 | 0.250 | 0.250 | 0.010 | 19.25 | 0.198 |
| T7HN2 | T7 | A07 | 0.404 | 0.353 | 0.353 | 0.015 | 19.25 | 0.292 |
| T7HN2 | T7 | A08 | 0.394 | 0.343 | 0.343 | 0.015 | 19.25 | 0.283 |
| T7HN3 | T7 | A09 | 0.647 | 0.596 | 0.596 | 0.027 | 2.75 | 0.073 |
| T7HN3 | T7 | A10 | 0.835 | 0.784 | 0.784 | 0.036 | 2.75 | 0.098 |
| T7HN4 | T7 | A11 | 0.282 | 0.231 | 0.231 | 0.009 | 2.75 | 0.026 |
| T7HN4 | T7 | A12 | 0.295 | 0.244 | 0.244 | 0.010 | 2.75 | 0.027 |
| 0 | T7 | B01 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | B02 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | B03 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | B04 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| T7HS11 | T7 | B05 | 0 | kleiner LLOQ | #VALUE! | | 2.75 | #VALUE! |
| T7HS11 | T7 | B06 | 0 | kleiner LLOQ | #VALUE! | | 2.75 | #VALUE! |
| T7HS12 | T7 | B07 | 0 | kleiner LLOQ | #VALUE! | | 2.75 | #VALUE! |
| T7HS12 | T7 | B08 | 0 | kleiner LLOQ | #VALUE! | | 2.75 | #VALUE! |
| T7HS13 | T7 | B09 | 0 | kleiner LLOQ | #VALUE! | | 2.75 | #VALUE! |
| T7HS13 | T7 | B10 | 0 | kleiner LLOQ | #VALUE! | | 2.75 | #VALUE! |
| T7HS14 | T7 | B11 | 0 | kleiner LLOQ | #VALUE! | | 2.75 | #VALUE! |
| T7HS14 | T7 | B12 | 0 | kleiner LLOQ | #VALUE! | | 2.75 | #VALUE! |
| 0 | T7 | C01 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | C02 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | C03 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | C04 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| T7HS21 | T7 | C05 | 0.522 | 0.471 | 0.471 | 0.021 | 8.25 | 0.171 |
| T7HS21 | T7 | C06 | 0.505 | 0.454 | 0.454 | 0.020 | 8.25 | 0.165 |
| T7HS22 | T7 | C07 | 0.598 | 0.547 | 0.547 | 0.024 | 8.25 | 0.201 |
| T7HS22 | T7 | C08 | 0.588 | 0.537 | 0.537 | 0.024 | 8.25 | 0.197 |
| T7HS23 | T7 | C09 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| T7HS23 | T7 | C10 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| T7HS24 | T7 | C11 | 0.219 | 0.168 | 0.168 | 0.006 | 2.75 | 0.018 |
| T7HS24 | T7 | C12 | 0.236 | 0.185 | 0.185 | 0.007 | 2.75 | 0.020 |
| 0 | T7 | D01 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | D02 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | D03 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | D04 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | D05 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | D06 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | D07 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | D08 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | D09 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | D10 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | D11 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | D12 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | E01 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | E02 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | E03 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | E04 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | E05 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | E06 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | E07 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | E08 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | E09 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | E10 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | E11 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | E12 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | F01 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | F02 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | F03 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | F04 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | F05 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | F06 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | F07 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | F08 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | F09 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | F10 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | F11 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | F12 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | G01 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | G02 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | G03 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | G04 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | G05 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| 0 | T7 | G06 | 0 | kleiner LLOQ | #VALUE! | | 1 | #VALUE! |
| Blank PEG | T7 | G07 | 0 | kleiner LLOQ | #VALUE! | | 2.75 | #VALUE! |

Plate: T7

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | 0.292 | 0.301 | 0.404 | 0.394 | 0.647 | 0.835 | 0.282 | 0.295 |
| B | | | | | 0.199 | 0.200 | 0.188 | 0.186 | 0.204 | 0.205 | 0.121 | 0.122 |
| C | | | | | 0.522 | 0.505 | 0.598 | 0.588 | | | 0.219 | 0.236 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.051 | 0.051 | 0.051 | 0.053 | 0.052 | 0.051 |
| H | | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T7HN1 | T7HN1 | T7HN2 | T7HN2 | T7HN3 | T7HN3 | T7HN4 | T7HN4 |
| B | | | | | T7HS11 | T7HS11 | T7HS12 | T7HS12 | T7HS13 | T7HS13 | T7HS14 | T7HS14 |
| C | | | | | T7HS21 | T7HS21 | T7HS22 | T7HS22 | T7HS23 | T7HS23 | T7HS24 | T7HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

dil3*dil2,75=8,25
dil7*dil2,75=19,25

Comment:

Date _____ Operator _____

Date _____ Control _____

| | | | | | | | | |
|--------------|----|-----|---|---|--------------|---------|------|---------|
| Blank PEG | T7 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T7 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T7 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | |
|--------------------|--------------|----------------------------|-------------------------|-------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (Instrument meth) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| cold substance | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| n.a. | name | LDH | ACB-ID of cocktail | n.a. | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PE | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| | n.a. | n.a. | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|------|------|---------|--|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | 0.148 | 1.579 | 1.652 | 1.627 | 1.62 | 0.03 | 1.87 | 0.047 | 1.568 | 0.148 | -0.24 | 0.00 |
| KLP2 | 0.114 | 1.357 | 1.443 | 1.372 | 1.39 | 0.04 | 2.70 | 0.054 | 1.340 | 0.110 | -3.40 | 0.00 |
| KLP3 | 0.074 | 1.272 | 1.193 | 1.228 | 1.23 | 0.03 | 2.63 | 0.051 | 1.180 | 0.084 | 13.04 | 0.01 |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.94 | 0.04 | 4.19 | 0.051 | 0.887 | 0.035 | -13.32 | -0.01 |
| KLP5 | | | | | | | | 0.052 | | | | |
| KLP6 | | | | | | | | 0.051 | | | | |
| KLP7 | | | | | | | | | | | | |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|-------------|
| Geradensteigung | Slope | m | 6.05 |
| Y-Achsenabschnitt | Y-intercept | b | 0.67 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.620291227 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.063894294 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.006578604 |
| Bereichsmittle | | | 0.094336926 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 8.722319627 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 3.384093228 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.946914615 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | 0.398761518 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9897 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9794 |
| Reststandardabweichung | | S ₀ | 0.050310948 |
| Summe Restquadrat | | sd | 2.895683345 |
| Verfahrensstandardabw. | | S _{0p} | 0.008311454 |
| Rel. Verfahrensstandardabw. % | | V _{0p} | 8.810393374 |

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0 |
| x ² SD (LOD) | 0 |
| LLOQ (AU) | 0 |
| LOD (AU) | 0 |
| LLOQ | 1.568 |
| LLOQ (Lin) | 0.887 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date _____ Operator _____ Date _____ Control _____

| | | | |
|---------------|--|---------|---------------|
| Formblatt-Nr. | | Version | |
| Titel | | | |
| Gültig ab | | Ablage | Projektordner |

Figure 1 Linearity

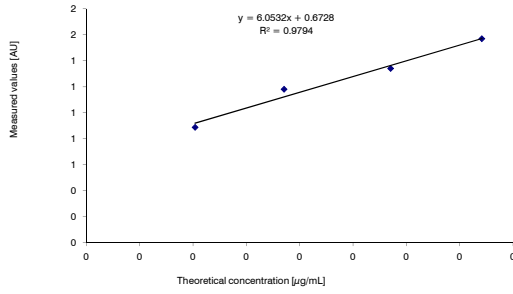
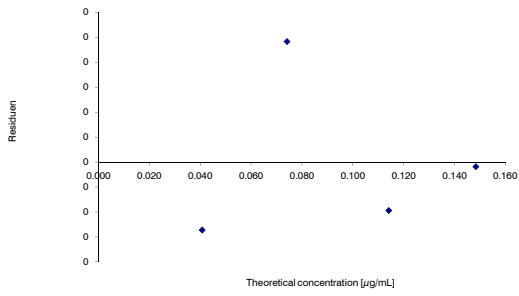


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| | | | | | | | |
|--------------------|------------------------|------------------------------|----------------------------------|------------------------------|---------------------------------------|-------------------------|-------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa | LLOQ [AU] | 0.887 |
| GLP Study (Number) | n.a. | Protocol (Instrument method) | LDH test 2016 | Date of preparation | 43209 | ULOQ [AU] | 1.568 |
| hot substance | Isotope n.a. | File name (results) | IsBa_180419/20_LDH_full_val_1/2/ | Date of measurement | 43209 | Blank | 0.051 |
| | Name n.a. | Kind of well plate | 96 well | Shaking time [min] | 30 | | n.a. |
| | ACB-ID n.a. | sample volume [µL] | 100 | Stirring rate (Target) [rpm] | 150 | | n.a. |
| | Batch number n.a. | Cocktail volume [µL] | 175 | Kind of measurement | UV-vis | Pipettes (No. / volume) | n.a. |
| cold substance | Name LDH | ACB-ID of cocktail | n.a. | Wave length [nm] | 450 | Pipettes (No. / volume) | n.a. |
| | ACB-ID L23982R | Matrix | DMEM (from powder)+PEG | Remarks | Sui mitgemessen auf der Platte aber A | Pipettes (No. / volume) | n.a. |
| | Batch number SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks | n.a. | Remarks | n.a. |

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T4 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HN1 | T4 | A05 | 1.128 | 1.077 | 0 | 0.067 | 2.75 | 0.184 |
| T4HN1 | T4 | A06 | 1.099 | 1.048 | 0 | 0.062 | 2.75 | 0.171 |
| T4HN2 | T4 | A07 | 1.007 | 0.956 | 0 | 0.047 | 24.75 | 1.158 |
| T4HN2 | T4 | A08 | 0.989 | 0.918 | 0 | 0.040 | 24.75 | 1.002 |
| T4HN3 | T4 | A09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HN3 | T4 | A10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HN4 | T4 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HN4 | T4 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS11 | T4 | B05 | 1.143 | 1.093 | 0 | 0.069 | 24.75 | 1.716 |
| T4HS11 | T4 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS12 | T4 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS12 | T4 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS13 | T4 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS13 | T4 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS14 | T4 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS14 | T4 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS21 | T4 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS21 | T4 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS22 | T4 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS22 | T4 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS23 | T4 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS23 | T4 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS24 | T4 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4HS24 | T4 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T4

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | 1.128 | 1.099 | 1.007 | 0.989 | | | | |
| B | | | | | 1.143 | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | 0.052 | 0.054 | 0.052 | 0.052 | 0.051 |
| H | | | | | | | | 0.050 | 0.050 | 0.053 | 0.050 | 0.050 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | T4HN1 | T4HN1 | T4HN2 | T4HN2 | T4HN3 | T4HN3 | T4HN4 |
| B | | | | | | T4HS11 | T4HS11 | T4HS12 | T4HS12 | T4HS13 | T4HS13 | T4HS14 |
| C | | | | | | T4HS21 | T4HS21 | T4HS22 | T4HS22 | T4HS23 | T4HS23 | T4HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

dil 9*dil2.75=dil.24.75

Comment:

Samples aufgeteilt in lin high und low;niedriger konzentrierte Samples bei lin low zu finden.

Date Operator Date Control

| | | | | | | | | |
|--------------|----|-----|-------|--------|--------------|---------|------|---------|
| 0 | T4 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T4 | G07 | 0.052 | 0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G08 | 0.054 | 0.003 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G09 | 0.052 | 0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G10 | 0.052 | 0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G11 | 0.052 | 0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G12 | 0.051 | 0.000 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T4 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T4 | H07 | 0.050 | -0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H08 | 0.050 | -0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H09 | 0.053 | 0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H10 | 0.050 | -0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H11 | 0.051 | 0.000 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H12 | 0.050 | -0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|--------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T5 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HN1 | T5 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HN1 | T5 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HN2 | T5 | A07 | 1.096 | 1.045 | 1.045 | 0.061 | 27.5 | 1.690 |
| T5HN2 | T5 | A08 | 1.121 | 1.070 | 1.070 | 0.066 | 27.5 | 1.805 |
| T5HN3 | T5 | A09 | 0.981 | 0.930 | 0.930 | 0.042 | 27.5 | 1.167 |
| T5HN3 | T5 | A10 | 0.973 | 0.922 | 0.922 | 0.041 | 27.5 | 1.133 |
| T5HN4 | T5 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HN4 | T5 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS11 | T5 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS11 | T5 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS12 | T5 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS12 | T5 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS13 | T5 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS13 | T5 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS14 | T5 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS14 | T5 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS21 | T5 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS21 | T5 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS22 | T5 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS22 | T5 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS23 | T5 | C09 | 1.430 | 1.379 | 1.379 | 0.117 | 2.75 | 0.321 |
| T5HS23 | T5 | C10 | 1.378 | 1.327 | 1.327 | 0.108 | 2.75 | 0.297 |
| T5HS24 | T5 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5HS24 | T5 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T5

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | 1.096 | 1.121 | 0.981 | 0.973 | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | 1.430 | 1.378 | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.053 | 0.053 | 0.054 | 0.053 | 0.053 | 0.052 |
| H | | | | | | | 0.101 | 0.056 | 0.052 | 0.050 | 0.054 | 0.053 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T5HN1 | T5HN1 | T5HN2 | T5HN2 | T5HN3 | T5HN3 | T5HN4 | T5HN4 |
| B | | | | | T5HS11 | T5HS11 | T5HS12 | T5HS12 | T5HS13 | T5HS13 | T5HS14 | T5HS14 |
| C | | | | | T5HS21 | T5HS21 | T5HS22 | T5HS22 | T5HS23 | T5HS23 | T5HS24 | T5HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

dil10*dil2,75=dil.27.5

Comment:

Date Operator

Date Control

| | | | | | | | |
|--------------|----|-----|---|--------------|---------|------|---------|
| 0 | T5 | E01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T5 | G07 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G08 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G09 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G10 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G11 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G12 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T5 | H01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T5 | H07 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H08 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H09 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H10 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H11 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H12 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T6 | A01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HN1 | T6 | A05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HN1 | T6 | A06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HN2 | T6 | A07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HN2 | T6 | A08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HN3 | T6 | A09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HN3 | T6 | A10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HN4 | T6 | A11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HN4 | T6 | A12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HS11 | T6 | B05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HS11 | T6 | B06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HS12 | T6 | B07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HS12 | T6 | B08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HS13 | T6 | B09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HS13 | T6 | B10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HS14 | T6 | B11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6HS14 | T6 | B12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | C01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T6

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | 1.181 | 1.211 | 1.314 | 1.355 | 1.060 | 1.076 | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.051 | 0.050 | 0.050 | 0.052 | 0.051 | 0.051 |
| H | | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.049 | 0.049 |

| Plattenbelegung | | | | | | | | | | | | |
|-----------------|---|---|---|---|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T6HN1 | T6HN1 | T6HN2 | T6HN2 | T6HN3 | T6HN3 | T6HN4 | T6HN4 |
| B | | | | | T6HS11 | T6HS11 | T6HS12 | T6HS12 | T6HS13 | T6HS13 | T6HS14 | T6HS14 |
| C | | | | | T6HS21 | T6HS21 | T6HS22 | T6HS22 | T6HS23 | T6HS23 | T6HS24 | T6HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|------|---------|---|--|--|--|--|--|--------------|--------------|--------------|--------------|--------------|--------------|
| 0 | T6 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | F | | | | | | | | | | | |
| 0 | T6 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | G | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| 0 | T6 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | H | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |
| T6HS21 | T6 | C05 | 1.181 | 1.130 | 1.130 | 0.076 | 2.75 | 0.208 | | | | | | | | | | | | |
| T6HS21 | T6 | C06 | 1.211 | 1.160 | 1.160 | 0.080 | 2.75 | 0.221 | | | | | | | | | | | | |
| T6HS22 | T6 | C07 | 1.314 | 1.263 | 1.263 | 0.098 | 2.75 | 0.268 | | | | | | | | | | | | |
| T6HS22 | T6 | C08 | 1.355 | 1.304 | 1.304 | 0.104 | 2.75 | 0.287 | | | | | | | | | | | | |
| T6HS23 | T6 | C09 | 1.060 | 1.009 | 1.009 | 0.055 | 2.75 | 0.153 | | | | | | | | | | | | |
| T6HS23 | T6 | C10 | 1.076 | 1.025 | 1.025 | 0.058 | 2.75 | 0.160 | | | | | | | | | | | | |
| T6HS24 | T6 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| T6HS24 | T6 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| Blank PEG | T6 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank PEG | T6 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank PEG | T6 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank PEG | T6 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank PEG | T6 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank PEG | T6 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| 0 | T6 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T6 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T6 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T6 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T6 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T6 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |
| Blank no PEG | T6 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | |

Comment:

Date Operator

Date Control

| | | | | | | | | |
|--------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T7 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HN1 | T7 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HN1 | T7 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HN2 | T7 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HN2 | T7 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HN3 | T7 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HN3 | T7 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HN4 | T7 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HN4 | T7 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS11 | T7 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS11 | T7 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS12 | T7 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS12 | T7 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS13 | T7 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS13 | T7 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS14 | T7 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS14 | T7 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS21 | T7 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS21 | T7 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS22 | T7 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS22 | T7 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS23 | T7 | C09 | 1.123 | 1.072 | 1.072 | 0.086 | 2.75 | 0.182 |
| T7HS23 | T7 | C10 | 1.101 | 1.050 | 1.050 | 0.062 | 2.75 | 0.171 |
| T7HS24 | T7 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7HS24 | T7 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T7

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|---|---|---|---|---|---|---|---|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | 1.123 | 1.101 | | | |
| D | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | |
| G | | | | | | | | 0.051 | 0.051 | 0.051 | 0.053 | 0.052 | 0.051 |
| H | | | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|--------|--------|--------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | T7HN1 | T7HN1 | T7HN2 | T7HN2 | T7HN3 | T7HN3 | T7HN4 | T7HN4 |
| B | | | | | T7HS11 | T7HS11 | T7HS12 | T7HS12 | T7HS13 | T7HS13 | T7HS14 | T7HS14 |
| C | | | | | T7HS21 | T7HS21 | T7HS22 | T7HS22 | T7HS23 | T7HS23 | T7HS24 | T7HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date Operator

Date Control

| | | | | | | | | |
|--------------|----|-----|---|---|--------------|---------|------|---------|
| 0 | T7 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T7 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T7 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T7 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.447 | 1.739 | | 1.170 | | | | | | 0.667 | 0.440 | 0.043 |
| 1.447 | 1.332 | | 1.392 | 0.137 | 0.146 | 0.130 | 0.138 | 0.109 | 0.729 | 0.478 | 0.042 |
| 1.391 | 1.281 | | 1.311 | 0.204 | 0.184 | 0.184 | 0.198 | 0.201 | 0.743 | 0.474 | 0.043 |
| 0.961 | 0.835 | | 1.405 | 0.336 | 0.347 | 0.375 | 0.387 | 0.300 | 0.824 | 0.483 | 0.044 |
| 0.445 | 0.441 | | 1.280 | 1.085 | 1.086 | 1.218 | 1.004 | 0.873 | 0.704 | 0.457 | 0.041 |
| 0.355 | 0.315 | | 1.332 | 1.768 | 1.925 | 1.753 | 1.739 | 1.606 | | | 0.036 |
| 0.223 | 0.188 | 1.666 | 1.499 | 1.632 | | 0.048 | 0.046 | 0.047 | 0.048 | 0.048 | 0.048 |
| 0.118 | 0.106 | 1.556 | 1.622 | 1.573 | | 0.047 | 0.054 | 0.051 | 0.051 | 0.052 | 0.051 |

1

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.652 | 1.627 | | 1.188 | 0.748 | 0.811 | 0.764 | 0.753 | 0.674 | 0.751 | 0.529 | 0.044 |
| 1.443 | 1.372 | | 1.364 | 0.139 | 0.147 | 0.131 | 0.139 | 0.110 | 0.811 | 0.561 | 0.043 |
| 1.377 | 1.281 | | 1.284 | 0.206 | 0.189 | 0.184 | 0.200 | 0.202 | 0.821 | 0.560 | 0.044 |
| 0.972 | 0.883 | | 1.387 | 0.339 | 0.349 | 0.386 | 0.406 | 0.312 | 0.903 | 0.565 | 0.044 |
| 0.484 | 0.474 | | 1.298 | 1.087 | 1.113 | 1.203 | 1.022 | 0.903 | 0.790 | 0.544 | 0.042 |
| 0.359 | 0.326 | | 1.308 | 1.622 | 1.622 | 1.630 | 1.625 | 1.550 | | | 0.037 |
| 0.228 | 0.199 | 1.527 | 1.373 | 1.462 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.109 | 1.473 | 1.410 | 1.371 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

2

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.579 | 1.475 | | 1.150 | 1.210 | 1.303 | 1.202 | 1.219 | 1.125 | 0.759 | 0.549 | 0.043 |
| 1.357 | 1.303 | | 1.283 | 0.140 | 0.148 | 0.131 | 0.139 | 0.111 | 0.820 | 0.575 | 0.043 |
| 1.323 | 1.228 | | 1.227 | 0.206 | 0.188 | 0.184 | 0.198 | 0.201 | 0.824 | 0.579 | 0.043 |
| 0.959 | 0.872 | | 1.321 | 0.339 | 0.348 | 0.387 | 0.406 | 0.314 | 0.909 | 0.580 | 0.044 |
| 0.483 | 0.473 | | 1.270 | 1.069 | 1.103 | 1.181 | 1.017 | 0.903 | 0.798 | 0.560 | 0.042 |
| 0.360 | 0.326 | | 1.270 | 1.497 | 1.448 | 1.496 | 1.494 | 1.449 | | | 0.037 |
| 0.228 | 0.199 | 1.374 | 1.262 | 1.314 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.346 | 1.262 | 1.253 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

3

| | | | | | | | | | | | |
|-------|-------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.511 | 1.369 | | | 1.538 | 1.712 | 1.528 | 1.502 | 1.425 | | | 0.043 |
| 1.296 | 1.261 | | | | | | | | | | 0.043 |
| 1.272 | 1.193 | | | | | | | | | | 0.043 |
| 0.947 | 0.859 | | | | | | | | | | 0.044 |
| 0.481 | 0.471 | | | | | | | | | | 0.042 |
| 0.361 | 0.325 | | | | | | | | | | 0.037 |
| 0.229 | 0.199 | | | | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.047 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

4

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.493 | 1.317 | 1.678 | 1.110 | 1.621 | 1.807 | 1.618 | 1.584 | 1.508 | 0.765 | 0.597 | 0.043 |
| 1.259 | 1.238 | 1.850 | 1.197 | 0.139 | 0.150 | 0.132 | 0.139 | 0.111 | 0.821 | 0.588 | 0.043 |
| 1.248 | 1.175 | 1.816 | 1.153 | 0.204 | 0.188 | 0.184 | 0.197 | 0.199 | 0.831 | 0.599 | 0.044 |
| 0.943 | 0.859 | 1.970 | 1.231 | 0.338 | 0.357 | 0.386 | 0.406 | 0.316 | 0.916 | 0.595 | 0.044 |
| 0.480 | 0.470 | 2.220 | 1.220 | 1.054 | 1.088 | 1.154 | 1.006 | 0.902 | 0.805 | 0.579 | 0.042 |
| 0.359 | 0.325 | 2.149 | 1.211 | 1.395 | 1.324 | 1.348 | 1.345 | 1.317 | 0.037 | 0.037 | 0.037 |
| 0.228 | 0.199 | 1.240 | 1.151 | 1.183 | 0.034 | 0.049 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.223 | 1.132 | 1.146 | 0.038 | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

5

| | | | | | | | | | | | |
|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.434 | 1.258 | | 1.090 | 1.648 | 1.876 | 1.649 | 1.627 | 1.535 | | | |
| 1.217 | 1.201 | | 1.149 | | | | | | | | |
| 1.205 | 1.143 | | 1.109 | | | | | | | | |
| 0.935 | 0.845 | | 1.182 | | | | | | | | |
| 0.477 | 0.469 | | 1.181 | | | | | | | | |
| 0.360 | 0.323 | | 1.167 | | | | | | | | |
| 0.229 | 0.200 | | | | | 0.049 | 0.047 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

6

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.013 | 0.810 | | 0.668 | 0.808 | 0.940 | 0.720 | 0.798 | 0.687 | 0.904 | 0.845 | 0.043 |
| 0.709 | 0.827 | | 0.703 | 0.142 | 0.156 | 0.136 | 0.137 | 0.116 | 0.990 | 0.846 | 0.042 |
| 0.682 | 0.692 | | 0.680 | 0.197 | 0.188 | 0.190 | 0.191 | 0.184 | 1.023 | 0.861 | 0.043 |
| 0.507 | 0.519 | | 0.740 | 0.316 | 0.264 | 0.364 | 0.377 | 0.312 | 1.111 | 0.870 | 0.043 |
| 0.394 | 0.406 | | 0.682 | 0.580 | 0.561 | 0.600 | 0.529 | 0.563 | 0.962 | 0.834 | 0.042 |
| 0.333 | 0.322 | | 0.661 | 0.995 | 0.930 | 0.848 | 0.832 | 0.797 | 0.037 | 0.037 | 0.037 |
| 0.229 | 0.201 | 0.843 | 0.679 | 0.732 | | 0.048 | 0.046 | 0.047 | | | 0.047 |
| 0.124 | 0.111 | 0.773 | 0.682 | 0.701 | | 0.047 | 0.053 | 0.051 | 0.051 | 0.052 | 0.051 |

7

skin cultivation

| | | | | | |
|--------------------|--------------|------------------------------|----------------------------|------------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (instrument method) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | File name (results) | IsBa_180419/20_LDH_full_v2 | Date of measurement | 19-04-18 |
| | name | Kind of well plate | 96 well | shaking time [min] | 30 |
| cold substance | ACB-ID | sample volume [µL] | 100 | stirring rate (Target) [rpm] | 150 |
| | Batch number | Cocktail volume [µL] | 175 | Kind of measurement | UV-vis |
| | name | ACB-ID of cocktail | LDH | Wave length [nm] | 450 |
| n.a. | ACB-ID | Matrix | DMEM (from powder)+PEG | Remarks | Cocktail 100µl RM, 75µl STOP |
| | Batch number | Blank description | DMEM/PEG, H2O | Remarks | 7 standards split low/high |
| n.a. | n.a. | Pipettes (No. / volume) | 50-200µl | Remarks | KLP4 common for both |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|-------|-------|---------|---|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | | | | | | | 0.047 | | | | |
| KLP2 | | | | | | | 0.054 | | | | |
| KLP3 | | | | | | | 0.051 | | | | |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.938 | 0.04 | 4.19 | 0.051 | 0.887 | 0.041 | -0.57 |
| KLP5 | 0.018 | 0.483 | 0.484 | 0.474 | 0.480 | 0.00 | 0.98 | 0.052 | 0.429 | 0.019 | 2.42 |
| KLP6 | 0.012 | 0.360 | 0.359 | 0.326 | 0.348 | 0.02 | 4.54 | 0.051 | 0.297 | 0.013 | 5.00 |
| KLP7 | 0.007 | 0.228 | 0.228 | 0.199 | 0.218 | 0.014 | 6.35 | | 0.168 | 0.006 | -11.29 |
| KLP8 | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|--------------|
| Geradensteigung | Slope | m | 21.03 |
| Y-Achsenabschnitt | Y-Intercept | b | 0.03 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.648055501 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.015177452 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.000664046 |
| Bereichsmittle | | | 0.019557193 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 23.81763508 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 18.24046944 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.099335829 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | -0.031281327 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9991 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9981 |
| Reststandardabweichung | | S ₀ | 0.01669983 |
| Summe Restquadrate | | sd | 0.657385838 |
| Verfahrensstandardabw. | | S ₀₀ | 0.000794131 |
| Rel. Verfahrensstandardabw. % | | V ₀₀ | 4.060559029 |

Berichten

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0.01 |
| x ² SD (LOD) | 0.01 |
| LLOQ (AU) | 0.061 |
| LOD (AU) | 0.067 |
| ULOQ | 0.887 |
| LLOQ (Lin) | 0.168 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date Operator Date Operator Control

Figure 1 Linearity

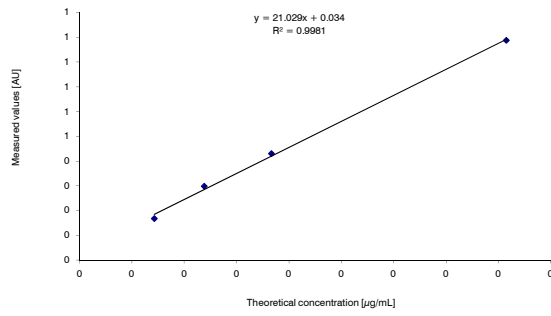
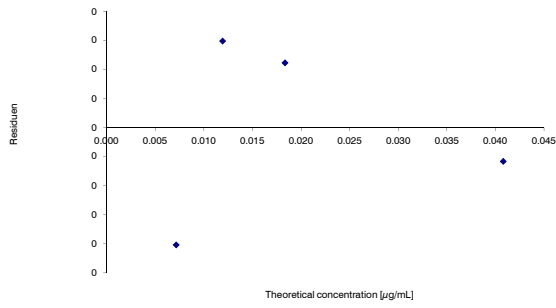


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T8 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8HN1 | T8 | A05 | 0.635 | 0.585 | 0.585 | 0.026 | 2.75 | 0.072 |
| T8HN1 | T8 | A06 | 0.607 | 0.556 | 0.556 | 0.025 | 2.75 | 0.068 |
| T8HN2 | T8 | A07 | 0.628 | 0.577 | 0.577 | 0.026 | 2.75 | 0.071 |
| T8HN2 | T8 | A08 | 0.661 | 0.610 | 0.610 | 0.027 | 2.75 | 0.075 |
| T8HN3 | T8 | A09 | 0.404 | 0.353 | 0.353 | 0.015 | 2.75 | 0.042 |
| T8HN3 | T8 | A10 | 0.309 | 0.258 | 0.258 | 0.011 | 2.75 | 0.029 |
| T8HN4 | T8 | A11 | 0.229 | 0.178 | 0.178 | 0.007 | 2.75 | 0.019 |
| T8HN4 | T8 | A12 | 0.222 | 0.171 | 0.171 | 0.007 | 2.75 | 0.018 |
| 0 | T8 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8HS11 | T8 | B05 | 0.460 | 0.409 | 0.409 | 0.018 | 2.75 | 0.0491 |
| T8HS11 | T8 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8HS12 | T8 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8HS12 | T8 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8HS13 | T8 | B09 | 0.129 | 0.078 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8HS13 | T8 | B10 | 0.136 | 0.085 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8HS14 | T8 | B11 | 0.081 | 0.030 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8HS14 | T8 | B12 | 0.084 | 0.033 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T8 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8HS21 | T8 | C05 | 0.458 | 0.407 | 0.407 | 0.018 | 2.75 | 0.049 |
| T8HS21 | T8 | C06 | 0.708 | 0.657 | 0.657 | 0.030 | 2.75 | 0.081 |
| T8HS22 | T8 | C07 | 0.553 | 0.502 | 0.502 | 0.022 | 2.75 | 0.061 |
| T8HS22 | T8 | C08 | 0.584 | 0.533 | 0.533 | 0.024 | 2.75 | 0.065 |
| T8HS23 | T8 | C09 | 0.670 | 0.619 | 0.619 | 0.028 | 2.75 | 0.076 |
| T8HS23 | T8 | C10 | 0.659 | 0.608 | 0.608 | 0.027 | 2.75 | 0.075 |
| T8HS24 | T8 | C11 | 0.222 | 0.171 | 0.171 | 0.007 | 2.75 | 0.018 |
| T8HS24 | T8 | C12 | 0.224 | 0.173 | 0.173 | 0.007 | 2.75 | 0.018 |
| 0 | T8 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T8

| Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | 0.635 | 0.607 | 0.628 | 0.661 | 0.404 | 0.309 | 0.229 | 0.222 | |
| B | | | | 0.460 | 0.171 | 0.156 | 0.167 | 0.129 | 0.136 | 0.081 | 0.084 | |
| C | | | | 0.458 | 0.708 | 0.553 | 0.584 | 0.670 | 0.659 | 0.222 | 0.224 | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | 0.053 | 0.055 | 0.053 | 0.054 | 0.053 | 0.053 | |
| H | | | | | | 0.053 | 0.052 | 0.051 | 0.052 | 0.052 | 0.052 | |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|--------|--------|--------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | T8HN1 | T8HN1 | T8HN2 | T8HN2 | T8HN3 | T8HN3 | T8HN4 | T8HN4 |
| B | | | | | T8HS11 | T8HS11 | T8HS12 | T8HS12 | T8HS13 | T8HS13 | T8HS14 | T8HS14 |
| C | | | | | T8HS21 | T8HS21 | T8HS22 | T8HS22 | T8HS23 | T8HS23 | T8HS24 | T8HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Samples aufgeteilt in lin high und low.höher konzentrierte Samples bei lin high zu finden.

Comment:

Date Operator

Date Control

| | | | | | | | | |
|--------------|----|-----|---|---|--------------|---------|------|---------|
| 0 | T8 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T8 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T8 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T8 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T8 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T8 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T8 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| 0 | T8 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T8 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T8 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T8 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T8 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T8 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T8 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |

| | | | | | | | | | |
|--------|----|-----|-------|-------|--------------|--------------|---------|---------|---------|
| 0 | T9 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| T9HN1 | T9 | A05 | 0.379 | 0.328 | 0.328 | 0.014 | 2.75 | 0.038 | |
| T9HN1 | T9 | A06 | 0.370 | 0.319 | 0.319 | 0.014 | 2.75 | 0.037 | |
| T9HN2 | T9 | A07 | 0.484 | 0.433 | 0.433 | 0.019 | 2.75 | 0.052 | |
| T9HN2 | T9 | A08 | 0.478 | 0.427 | 0.427 | 0.019 | 2.75 | 0.051 | |
| T9HN3 | T9 | A09 | 0.220 | 0.169 | 0.169 | 0.006 | 2.75 | 0.018 | |
| T9HN3 | T9 | A10 | 0.291 | 0.240 | 0.240 | 0.010 | 2.75 | 0.027 | |
| T9HN4 | T9 | A11 | 0.404 | 0.353 | 0.353 | 0.015 | 2.75 | 0.042 | |
| T9HN4 | T9 | A12 | 0.398 | 0.347 | 0.347 | 0.015 | 2.75 | 0.041 | |
| 0 | T9 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| T9HS11 | T9 | B05 | 0.157 | 0.106 | 0.106 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9HS11 | T9 | B06 | 0.155 | 0.104 | 0.104 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9HS12 | T9 | B07 | 0.155 | 0.104 | 0.104 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9HS12 | T9 | B08 | 0.157 | 0.106 | 0.106 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9HS13 | T9 | B09 | 0.194 | 0.143 | 0.143 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9HS13 | T9 | B10 | 0.200 | 0.149 | 0.149 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9HS14 | T9 | B11 | 0.080 | 0.030 | 0.030 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9HS14 | T9 | B12 | 0.091 | 0.040 | 0.040 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T9 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| T9HS21 | T9 | C05 | 0.623 | 0.573 | 0.573 | 0.026 | 2.75 | 0.070 | |
| T9HS21 | T9 | C06 | 0.633 | 0.582 | 0.582 | 0.026 | 2.75 | 0.072 | |
| T9HS22 | T9 | C07 | 0.542 | 0.491 | 0.491 | 0.022 | 2.75 | 0.060 | |
| T9HS22 | T9 | C08 | 0.548 | 0.497 | 0.497 | 0.022 | 2.75 | 0.061 | |
| T9HS23 | T9 | C09 | 0.625 | 0.574 | 0.574 | 0.026 | 2.75 | 0.071 | |
| T9HS23 | T9 | C10 | 0.640 | 0.589 | 0.589 | 0.026 | 2.75 | 0.073 | |
| T9HS24 | T9 | C11 | 0.197 | 0.146 | 0.146 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9HS24 | T9 | C12 | 0.192 | 0.141 | 0.141 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T9 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T9 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |

Plate: T9

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | 0.379 | 0.370 | 0.484 | 0.478 | 0.220 | 0.291 | 0.404 | 0.398 |
| B | | | | | 0.157 | 0.155 | 0.155 | 0.157 | 0.194 | 0.200 | 0.080 | 0.091 |
| C | | | | | 0.623 | 0.633 | 0.542 | 0.548 | 0.625 | 0.640 | 0.197 | 0.192 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.051 | 0.051 | 0.051 | 0.051 | 0.051 | 0.050 |
| H | | | | | | | 0.050 | 0.049 | 0.050 | 0.049 | 0.050 | 0.050 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T9HN1 | T9HN1 | T9HN2 | T9HN2 | T9HN3 | T9HN3 | T9HN4 | T9HN4 |
| B | | | | | T9HS11 | T9HS11 | T9HS12 | T9HS12 | T9HS13 | T9HS13 | T9HS14 | T9HS14 |
| C | | | | | T9HS21 | T9HS21 | T9HS22 | T9HS22 | T9HS23 | T9HS23 | T9HS24 | T9HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date Operator Date Control

| | | | | | | | | |
|--------------|-----|-----|-------|--------|--------------|---------|------|---------|
| 0 | T9 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T9 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T9 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T9 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T9 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T9 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T9 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T9 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T9 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T9 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T9 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T9 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T9 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T9 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T10 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HN1 | T10 | A05 | 0.337 | 0.286 | 0.286 | 0.012 | 2.75 | 0.033 |
| T10HN1 | T10 | A06 | 0.335 | 0.285 | 0.285 | 0.012 | 2.75 | 0.033 |
| T10HN2 | T10 | A07 | 0.457 | 0.406 | 0.406 | 0.018 | 2.75 | 0.049 |
| T10HN2 | T10 | A08 | 0.454 | 0.403 | 0.403 | 0.018 | 2.75 | 0.048 |
| T10HN3 | T10 | A09 | 0.421 | 0.370 | 0.370 | 0.016 | 2.75 | 0.044 |
| T10HN3 | T10 | A10 | 0.439 | 0.388 | 0.388 | 0.017 | 2.75 | 0.046 |
| T10HN4 | T10 | A11 | 0.367 | 0.316 | 0.316 | 0.013 | 2.75 | 0.037 |
| T10HN4 | T10 | A12 | 0.373 | 0.322 | 0.322 | 0.014 | 2.75 | 0.038 |
| 0 | T10 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HS11 | T10 | B05 | 0.137 | 0.086 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10HS11 | T10 | B06 | 0.138 | 0.087 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10HS12 | T10 | B07 | 0.156 | 0.105 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10HS12 | T10 | B08 | 0.166 | 0.115 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10HS13 | T10 | B09 | 0.178 | 0.127 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10HS13 | T10 | B10 | 0.182 | 0.131 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10HS14 | T10 | B11 | 0.087 | 0.037 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10HS14 | T10 | B12 | 0.082 | 0.031 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T10 | C01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T10

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | 0.337 | 0.335 | 0.457 | 0.454 | 0.421 | 0.439 | 0.367 | 0.373 |
| B | | | | | 0.137 | 0.138 | 0.156 | 0.166 | 0.178 | 0.182 | 0.087 | 0.082 |
| C | | | | | 0.645 | 0.646 | 0.519 | 0.550 | 0.557 | 0.572 | 0.193 | 0.182 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.051 | 0.051 | 0.051 | 0.053 | 0.051 | 0.054 |
| H | | | | | | | 0.050 | 0.050 | 0.052 | 0.051 | 0.050 | 0.050 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---------|---------|---------|---------|---------|---------|---------|---------|
| A | | | | | T10HN1 | T10HN1 | T10HN2 | T10HN2 | T10HN3 | T10HN3 | T10HN4 | T10HN4 |
| B | | | | | T10HS11 | T10HS11 | T10HS12 | T10HS12 | T10HS13 | T10HS13 | T10HS14 | T10HS14 |
| C | | | | | T10HS21 | T10HS21 | T10HS22 | T10HS22 | T10HS23 | T10HS23 | T10HS24 | T10HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------------|-----|-----|-------|--------|--------------|---------|------|---------|---|--|--|--|--|--|--------------|--------------|--------------|--------------|--------------|
| 0 | T10 | C02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | F | | | | | | | | | | |
| 0 | T10 | C03 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | G | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| 0 | T10 | C04 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | H | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |
| T10HS21 | T10 | C05 | 0.645 | 0.594 | 0.594 | 0.027 | 2.75 | 0.073 | | | | | | | | | | | |
| T10HS21 | T10 | C06 | 0.646 | 0.595 | 0.595 | 0.027 | 2.75 | 0.073 | | | | | | | | | | | |
| T10HS22 | T10 | C07 | 0.519 | 0.468 | 0.468 | 0.021 | 2.75 | 0.057 | | | | | | | | | | | |
| T10HS22 | T10 | C08 | 0.550 | 0.499 | 0.499 | 0.022 | 2.75 | 0.061 | | | | | | | | | | | |
| T10HS23 | T10 | C09 | 0.557 | 0.506 | 0.506 | 0.022 | 2.75 | 0.062 | | | | | | | | | | | |
| T10HS23 | T10 | C10 | 0.572 | 0.521 | 0.521 | 0.023 | 2.75 | 0.064 | | | | | | | | | | | |
| T10HS24 | T10 | C11 | 0.193 | 0.142 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| T10HS24 | T10 | C12 | 0.182 | 0.131 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | D01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | D02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | D03 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T10 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T10 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T10 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T10 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T10 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T10 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T10 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T10 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T10 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T10 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T10 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T10 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T10 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | |
| 0 | T11 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T11 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T11 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T11 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| T11HN1 | T11 | A05 | 0.502 | 0.451 | 0.451 | 0.020 | 2.75 | 0.055 | | | | | | | | | | | |

Comment:

Date Operator Date Control

| | | | | | | | | |
|-----------|-----|-----|-------|--------|--------------|---------|------|---------|
| T11HN1 | T11 | A06 | 0.545 | 0.494 | 0.494 | 0.022 | 2.75 | 0.060 |
| T11HN2 | T11 | A07 | 0.613 | 0.562 | 0.562 | 0.025 | 2.75 | 0.069 |
| T11HN2 | T11 | A08 | 0.593 | 0.543 | 0.543 | 0.024 | 2.75 | 0.066 |
| T11HN3 | T11 | A09 | 0.579 | 0.528 | 0.528 | 0.023 | 2.75 | 0.065 |
| T11HN3 | T11 | A10 | 0.537 | 0.486 | 0.486 | 0.021 | 2.75 | 0.059 |
| T11HN4 | T11 | A11 | 0.385 | 0.334 | 0.334 | 0.014 | 2.75 | 0.039 |
| T11HN4 | T11 | A12 | 0.388 | 0.337 | 0.337 | 0.014 | 2.75 | 0.040 |
| 0 | T11 | B01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B03 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B04 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS11 | T11 | B05 | 0.206 | 0.156 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11HS11 | T11 | B06 | 0.205 | 0.154 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11HS12 | T11 | B07 | 0.187 | 0.136 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11HS12 | T11 | B08 | 0.189 | 0.138 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11HS13 | T11 | B09 | 0.187 | 0.136 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11HS13 | T11 | B10 | 0.177 | 0.126 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11HS14 | T11 | B11 | 0.122 | 0.071 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11HS14 | T11 | B12 | 0.114 | 0.063 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T11 | C01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C03 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C04 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS21 | T11 | C05 | 0.731 | 0.680 | 0.680 | 0.031 | 2.75 | 0.084 |
| T11HS21 | T11 | C06 | 0.737 | 0.686 | 0.686 | 0.031 | 2.75 | 0.085 |
| T11HS22 | T11 | C07 | 0.575 | 0.524 | 0.524 | 0.023 | 2.75 | 0.064 |
| T11HS22 | T11 | C08 | 0.570 | 0.519 | 0.519 | 0.023 | 2.75 | 0.063 |
| T11HS23 | T11 | C09 | 0.538 | 0.488 | 0.488 | 0.022 | 2.75 | 0.059 |
| T11HS23 | T11 | C10 | 0.531 | 0.480 | 0.480 | 0.021 | 2.75 | 0.058 |
| T11HS24 | T11 | C11 | 0.208 | 0.157 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11HS24 | T11 | C12 | 0.207 | 0.156 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T11 | D01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T11 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

Plate: T11

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | 0.502 | 0.545 | 0.613 | 0.593 | 0.579 | 0.537 | 0.385 | 0.388 |
| B | | | | | 0.206 | 0.205 | 0.187 | 0.189 | 0.187 | 0.177 | 0.122 | 0.114 |
| C | | | | | 0.731 | 0.737 | 0.575 | 0.570 | 0.538 | 0.531 | 0.208 | 0.207 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.052 | 0.052 | 0.052 | 0.056 | 0.052 | 0.052 |
| H | | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 | 0.049 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T11HN1 | T11HN1 | T11HN2 | T11HN2 | T11HN3 | T11HN3 | T11HN4 | T11HN4 |
| B | | | | | T11HS11 | T11HS11 | T11HS12 | T11HS12 | T11HS13 | T11HS13 | T11HS14 | T11HS14 |
| C | | | | | T11HS21 | T11HS21 | T11HS22 | T11HS22 | T11HS23 | T11HS23 | T11HS24 | T11HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date Operator Date Control

| | | | | | | | | |
|--------------|-----|-----|---|---|--------------|---------|------|---------|
| Blank PEG | T11 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T11 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T11 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T11 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T11 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T11 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T11 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T11 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T11 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T11 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T11 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T11 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | |
|--------------------|--------------|----------------------------|-------------------------|-------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (Instrument meth) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| cold substance | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| n.a. | name | LDH | ACB-ID of cocktail | | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PE | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| | | | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|------|------|---------|-----------------------|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | Blank subtraction | [µg/mL] | [%] | |
| KLP1 | 0.148 | 1.579 | 1.652 | 1.627 | 1.62 | 0.03 | 1.87 | 0.047 | 1.568 | 0.148 | -0.24 | 0.00 |
| KLP2 | 0.114 | 1.357 | 1.443 | 1.372 | 1.39 | 0.04 | 2.70 | 0.054 | 1.340 | 0.110 | -3.40 | 0.00 |
| KLP3 | 0.074 | 1.272 | 1.193 | 1.228 | 1.23 | 0.03 | 2.63 | 0.051 | 1.180 | 0.084 | 13.04 | 0.01 |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.94 | 0.04 | 4.19 | 0.051 | 0.887 | 0.035 | -13.32 | -0.01 |
| KLP5 | | | | | | | | 0.052 | | | | |
| KLP6 | | | | | | | | 0.051 | | | | |
| KLP7 | | | | | | | | | | | | |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|-------------|
| Geradensteigung | Slope | m | 6.05 |
| Y-Achsenabschnitt | Y-intercept | b | 0.67 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.620291227 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.063894294 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.006578604 |
| Bereichsmittle | | f | 0.094336926 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 8.722319627 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 3.384093228 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.946914615 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | 0.398761518 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9897 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9794 |
| Reststandardabweichung | | S ₀ | 0.050310948 |
| Summe Restquadrat | | sd | 2.895683345 |
| Verfahrensstandardabw. | | S _{0p} | 0.008311454 |
| Rel. Verfahrensstandardabw. % | | V _{0p} | 8.810393374 |

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0 |
| x ² SD (LOD) | 0 |
| LLOQ (AU) | 0 |
| LOD (AU) | 0 |
| LLOQ | 1.568 |
| LLOQ (Lin) | 0.887 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date

Operator

Date

Control

| | | | |
|---------------|--|---------|---------------|
| Formblatt-Nr. | | Version | |
| Titel | | | |
| Gültig ab | | Ablage | Projektordner |

Figure 1 Linearity

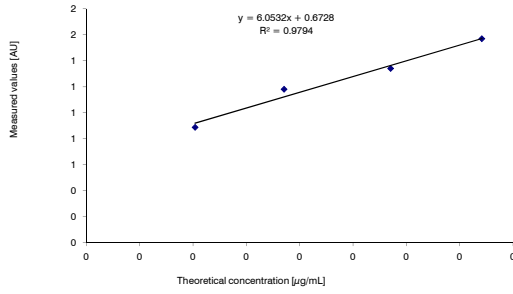
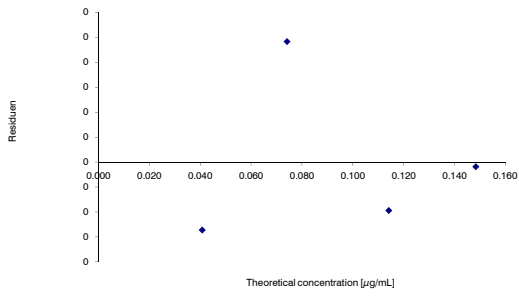


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date _____ Operator _____ Date _____ Control _____

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T8 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8HN1 | T8 | A05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HN1 | T8 | A06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HN2 | T8 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HN2 | T8 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HN3 | T8 | A09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HN3 | T8 | A10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HN4 | T8 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HN4 | T8 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| 0 | T8 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| 0 | T8 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| 0 | T8 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| 0 | T8 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS11 | T8 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS11 | T8 | B06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS12 | T8 | B07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS12 | T8 | B08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS13 | T8 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS13 | T8 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS14 | T8 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS14 | T8 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| 0 | T8 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| 0 | T8 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| 0 | T8 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| 0 | T8 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS21 | T8 | C05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS21 | T8 | C06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS22 | T8 | C07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS22 | T8 | C08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS23 | T8 | C09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS23 | T8 | C10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | #VALUE! |
| T8HS24 | T8 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8HS24 | T8 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

| | | | | | | | | | | | | |
|-----------|---|---|---|---|---|---|---|-------|-------|-------|-------|-------|
| Plate: T8 | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | 0.053 | 0.055 | 0.053 | 0.054 | 0.053 |
| H | | | | | | | | 0.053 | 0.052 | 0.051 | 0.052 | 0.052 |

| | | | | | | | | | | | | |
|-----------------|---|---|---|---|--------|--------|--------|--------------|--------------|--------------|--------------|--------------|
| Plattenbelegung | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T8HN1 | T8HN1 | T8HN2 | T8HN2 | T8HN3 | T8HN3 | T8HN4 | T8HN4 |
| B | | | | | T8HS11 | T8HS11 | T8HS12 | T8HS12 | T8HS13 | T8HS13 | T8HS14 | T8HS14 |
| C | | | | | T8HS21 | T8HS21 | T8HS22 | T8HS22 | T8HS23 | T8HS23 | T8HS24 | T8HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:
alle Messwerte bei lin low.

Samples aufgeteilt in lin high und low/niedriger konzentrierte Samples bei lin low zu finden.

Date _____ Operator _____ Date _____ Control _____

| | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T8 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T8 | G07 | 0.053 | 0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G08 | 0.055 | 0.004 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G09 | 0.053 | 0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G10 | 0.054 | 0.003 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G11 | 0.053 | 0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G12 | 0.053 | 0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T8 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T8 | H07 | 0.053 | 0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H08 | 0.052 | 0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H09 | 0.051 | 0.000 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H10 | 0.052 | 0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H11 | 0.052 | 0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H12 | 0.052 | 0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | |
|--------|----|-----|---|--------------|---------|---|---------|
| 0 | T9 | A01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HN1 | T9 | A05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HN1 | T9 | A06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HN2 | T9 | A07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HN2 | T9 | A08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HN3 | T9 | A09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HN3 | T9 | A10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HN4 | T9 | A11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HN4 | T9 | A12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS11 | T9 | B05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS11 | T9 | B06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS12 | T9 | B07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS12 | T9 | B08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS13 | T9 | B09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS13 | T9 | B10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS14 | T9 | B11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS14 | T9 | B12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS21 | T9 | C05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS21 | T9 | C06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS22 | T9 | C07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS22 | T9 | C08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS23 | T9 | C09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS23 | T9 | C10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS24 | T9 | C11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9HS24 | T9 | C12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T9

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|---|---|---|---|---|---|---|---|--------|--------|--------|--------|--------|--------|
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | |
| G | | | | | | | | 0.0509 | 0.0505 | 0.0511 | 0.0506 | 0.0508 | 0.0498 |
| H | | | | | | | | 0.0496 | 0.0490 | 0.0495 | 0.0494 | 0.0496 | 0.0497 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|--------|--------|--------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | T9HN1 | T9HN1 | T9HN2 | T9HN2 | T9HN3 | T9HN3 | T9HN4 | T9HN4 |
| B | | | | | T9HS11 | T9HS11 | T9HS12 | T9HS12 | T9HS13 | T9HS13 | T9HS14 | T9HS14 |
| C | | | | | T9HS21 | T9HS21 | T9HS22 | T9HS22 | T9HS23 | T9HS23 | T9HS24 | T9HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

alle Messwerte bei lin low.

Date Operator

Date Control

| | | | | | | | | |
|--------------|-----|-----|---|---|--------------|---------|---|---------|
| 0 | T9 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T9 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T9 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T9 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T9 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T9 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T9 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T9 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T9 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T9 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T9 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T9 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T9 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HN1 | T10 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HN1 | T10 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HN2 | T10 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HN2 | T10 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HN3 | T10 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HN3 | T10 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HN4 | T10 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HN4 | T10 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HS11 | T10 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HS11 | T10 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HS12 | T10 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HS12 | T10 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HS13 | T10 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HS13 | T10 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HS14 | T10 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10HS14 | T10 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T10

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.051 | 0.051 | 0.051 | 0.053 | 0.051 | 0.054 |
| H | | | | | | | 0.050 | 0.050 | 0.052 | 0.051 | 0.050 | 0.050 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---------|---------|---------|---------|---------|---------|---------|---------|
| A | | | | | T10HN1 | T10HN1 | T10HN2 | T10HN2 | T10HN3 | T10HN3 | T10HN4 | T10HN4 |
| B | | | | | T10HS11 | T10HS11 | T10HS12 | T10HS12 | T10HS13 | T10HS13 | T10HS14 | T10HS14 |
| C | | | | | T10HS21 | T10HS21 | T10HS22 | T10HS22 | T10HS23 | T10HS23 | T10HS24 | T10HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |

| | | | | | | | | |
|---------|-----|-----|---|---|--------------|---------|---|---------|
| 0 | T11 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HN1 | T11 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HN1 | T11 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HN2 | T11 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HN2 | T11 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HN3 | T11 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HN3 | T11 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HN4 | T11 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HN4 | T11 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS11 | T11 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS11 | T11 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS12 | T11 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS12 | T11 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS13 | T11 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS13 | T11 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS14 | T11 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS14 | T11 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS21 | T11 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS21 | T11 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS22 | T11 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS22 | T11 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS23 | T11 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS23 | T11 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS24 | T11 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11HS24 | T11 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T11

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|---|---|---|---|---|---|---|---|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | |
| G | | | | | | | | 0.052 | 0.052 | 0.052 | 0.056 | 0.052 | 0.052 |
| H | | | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 | 0.049 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---------|---------|---------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | T11HN1 | T11HN1 | T11HN2 | T11HN2 | T11HN3 | T11HN3 | T11HN4 | T11HN4 |
| B | | | | | T11HS11 | T11HS11 | T11HS12 | T11HS12 | T11HS13 | T11HS13 | T11HS14 | T11HS14 |
| C | | | | | T11HS21 | T11HS21 | T11HS22 | T11HS22 | T11HS23 | T11HS23 | T11HS24 | T11HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

alle Messwerte bei lin low.

Date Operator

Date Control

| | | | | | | | | |
|--------------|-----|-----|---|---|--------------|---------|---|---------|
| 0 | T11 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T11 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T11 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T11 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T11 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T11 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T11 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T11 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T11 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T11 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T11 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T11 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T11 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.447 | 1.739 | | 1.170 | | | | | | 0.667 | 0.440 | 0.043 |
| 1.447 | 1.332 | | 1.392 | 0.137 | 0.146 | 0.130 | 0.138 | 0.109 | 0.729 | 0.478 | 0.042 |
| 1.391 | 1.281 | | 1.311 | 0.204 | 0.184 | 0.184 | 0.198 | 0.201 | 0.743 | 0.474 | 0.043 |
| 0.961 | 0.835 | | 1.405 | 0.336 | 0.347 | 0.375 | 0.387 | 0.300 | 0.824 | 0.483 | 0.044 |
| 0.445 | 0.441 | | 1.280 | 1.085 | 1.086 | 1.218 | 1.004 | 0.873 | 0.704 | 0.457 | 0.041 |
| 0.355 | 0.315 | | 1.332 | 1.768 | 1.925 | 1.753 | 1.739 | 1.606 | | | 0.036 |
| 0.223 | 0.188 | 1.666 | 1.499 | 1.632 | | 0.048 | 0.046 | 0.047 | 0.048 | 0.048 | 0.048 |
| 0.118 | 0.106 | 1.556 | 1.622 | 1.573 | | 0.047 | 0.054 | 0.051 | 0.051 | 0.052 | 0.051 |

1

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.652 | 1.627 | | 1.188 | 0.748 | 0.811 | 0.764 | 0.753 | 0.674 | 0.751 | 0.529 | 0.044 |
| 1.443 | 1.372 | | 1.364 | 0.139 | 0.147 | 0.131 | 0.139 | 0.110 | 0.811 | 0.561 | 0.043 |
| 1.377 | 1.281 | | 1.284 | 0.206 | 0.189 | 0.184 | 0.200 | 0.202 | 0.821 | 0.560 | 0.044 |
| 0.972 | 0.883 | | 1.387 | 0.339 | 0.349 | 0.386 | 0.406 | 0.312 | 0.903 | 0.565 | 0.044 |
| 0.484 | 0.474 | | 1.298 | 1.087 | 1.113 | 1.203 | 1.022 | 0.903 | 0.790 | 0.544 | 0.042 |
| 0.359 | 0.326 | | 1.308 | 1.622 | 1.622 | 1.630 | 1.625 | 1.550 | | | 0.037 |
| 0.228 | 0.199 | 1.527 | 1.373 | 1.462 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.109 | 1.473 | 1.410 | 1.371 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

2

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.579 | 1.475 | | 1.150 | 1.210 | 1.303 | 1.202 | 1.219 | 1.125 | 0.759 | 0.549 | 0.043 |
| 1.357 | 1.303 | | 1.283 | 0.140 | 0.148 | 0.131 | 0.139 | 0.111 | 0.820 | 0.575 | 0.043 |
| 1.323 | 1.228 | | 1.227 | 0.206 | 0.188 | 0.184 | 0.198 | 0.201 | 0.824 | 0.579 | 0.043 |
| 0.959 | 0.872 | | 1.321 | 0.339 | 0.348 | 0.387 | 0.406 | 0.314 | 0.909 | 0.580 | 0.044 |
| 0.483 | 0.473 | | 1.270 | 1.069 | 1.103 | 1.181 | 1.017 | 0.903 | 0.798 | 0.560 | 0.042 |
| 0.360 | 0.326 | | 1.270 | 1.497 | 1.448 | 1.496 | 1.494 | 1.449 | | | 0.037 |
| 0.228 | 0.199 | 1.374 | 1.262 | 1.314 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.346 | 1.262 | 1.253 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

3

| | | | | | | | | | | | |
|-------|-------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.511 | 1.369 | | | 1.538 | 1.712 | 1.528 | 1.502 | 1.425 | | | 0.043 |
| 1.296 | 1.261 | | | | | | | | | | 0.043 |
| 1.272 | 1.193 | | | | | | | | | | 0.043 |
| 0.947 | 0.859 | | | | | | | | | | 0.044 |
| 0.481 | 0.471 | | | | | | | | | | 0.042 |
| 0.361 | 0.325 | | | | | | | | | | 0.037 |
| 0.229 | 0.199 | | | | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.047 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

4

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.493 | 1.317 | 1.678 | 1.110 | 1.621 | 1.807 | 1.618 | 1.584 | 1.508 | 0.765 | 0.597 | 0.043 |
| 1.259 | 1.238 | 1.850 | 1.197 | 0.139 | 0.150 | 0.132 | 0.139 | 0.111 | 0.821 | 0.588 | 0.043 |
| 1.248 | 1.175 | 1.816 | 1.153 | 0.204 | 0.188 | 0.184 | 0.197 | 0.199 | 0.831 | 0.599 | 0.044 |
| 0.943 | 0.859 | 1.970 | 1.231 | 0.338 | 0.357 | 0.386 | 0.406 | 0.316 | 0.916 | 0.595 | 0.044 |
| 0.480 | 0.470 | 2.220 | 1.220 | 1.054 | 1.088 | 1.154 | 1.006 | 0.902 | 0.805 | 0.579 | 0.042 |
| 0.359 | 0.325 | 2.149 | 1.211 | 1.395 | 1.324 | 1.348 | 1.345 | 1.317 | 0.037 | 0.037 | 0.037 |
| 0.228 | 0.199 | 1.240 | 1.151 | 1.183 | 0.034 | 0.049 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.223 | 1.132 | 1.146 | 0.038 | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

5

| | | | | | | | | | | | |
|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.434 | 1.258 | | 1.090 | 1.648 | 1.876 | 1.649 | 1.627 | 1.535 | | | |
| 1.217 | 1.201 | | 1.149 | | | | | | | | |
| 1.205 | 1.143 | | 1.109 | | | | | | | | |
| 0.935 | 0.845 | | 1.182 | | | | | | | | |
| 0.477 | 0.469 | | 1.181 | | | | | | | | |
| 0.360 | 0.323 | | 1.167 | | | | | | | | |
| 0.229 | 0.200 | | | | | 0.049 | 0.047 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

6

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.013 | 0.810 | | 0.668 | 0.808 | 0.940 | 0.720 | 0.798 | 0.687 | 0.904 | 0.845 | 0.043 |
| 0.709 | 0.827 | | 0.703 | 0.142 | 0.156 | 0.136 | 0.137 | 0.116 | 0.990 | 0.846 | 0.042 |
| 0.682 | 0.692 | | 0.680 | 0.197 | 0.188 | 0.190 | 0.191 | 0.184 | 1.023 | 0.861 | 0.043 |
| 0.507 | 0.519 | | 0.740 | 0.316 | 0.264 | 0.364 | 0.377 | 0.312 | 1.111 | 0.870 | 0.043 |
| 0.394 | 0.406 | | 0.682 | 0.580 | 0.561 | 0.600 | 0.529 | 0.563 | 0.962 | 0.834 | 0.042 |
| 0.333 | 0.322 | | 0.661 | 0.995 | 0.930 | 0.848 | 0.832 | 0.797 | 0.037 | 0.037 | 0.037 |
| 0.229 | 0.201 | 0.843 | 0.679 | 0.732 | | 0.048 | 0.046 | 0.047 | | | 0.047 |
| 0.124 | 0.111 | 0.773 | 0.682 | 0.701 | | 0.047 | 0.053 | 0.051 | 0.051 | 0.052 | 0.051 |

7

skin cultivation

| | | | | | | | | | | | |
|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | 0.367 | 0.392 | 0.213 | 0.195 | 0.226 | 0.257 | 0.308 | 0.408 |
| | | | | | | 0.051 | 0.051 | 0.051 | 0.053 | 0.051 | 0.054 |
| | | | | | | 0.050 | 0.050 | 0.052 | 0.051 | 0.050 | 0.050 |

| | | | | | | | | | | | | |
|-------|-------|-------|-------|--|--|-------|-------|-------|-------|-------|-------|---------------|
| 0.491 | 0.574 | 0.518 | 0.380 | | | | | | | | | T11 1 hum sui |
| 0.074 | 0.073 | 0.106 | 0.089 | | | | | | | | | |
| 0.689 | 0.516 | 0.535 | 0.209 | | | | | | | | | |
| | 0.352 | 0.464 | 0.727 | | | | | | | | | |
| 0.433 | 0.289 | 0.165 | 0.224 | | | | | | | | | |
| 0.402 | 0.254 | 0.296 | 0.329 | | | | | | | | | |
| | | | | | | 0.052 | 0.051 | 0.051 | 0.053 | 0.051 | 0.051 | |
| | | | | | | 0.049 | 0.049 | 0.050 | 0.050 | 0.049 | 0.049 | |

| | | | | | | | | | | | | |
|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| | | | | 0.502 | 0.545 | 0.613 | 0.593 | 0.579 | 0.537 | 0.385 | 0.388 | T11 2 hum sui |
| | | | | 0.206 | 0.205 | 0.187 | 0.189 | 0.187 | 0.177 | 0.122 | 0.114 | |
| | | | | 0.731 | 0.737 | 0.575 | 0.570 | 0.538 | 0.531 | 0.208 | 0.207 | |
| | | | | | | 0.358 | 0.336 | 0.471 | 0.480 | 0.747 | 0.716 | |
| | | | | 0.423 | 0.402 | 0.227 | 0.267 | 0.154 | 0.156 | 0.234 | 0.235 | |
| | | | | 0.354 | 0.398 | 0.217 | 0.229 | 0.248 | 0.272 | 0.308 | 0.317 | |
| | | | | | | 0.052 | 0.052 | 0.052 | 0.056 | 0.052 | 0.052 | |
| | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 | 0.049 | |

| | | | | | |
|--------------------|--------------|------------------------------|----------------------------|------------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (instrument method) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | File name (results) | IsBa_180419/20_LDH_full_v2 | Date of measurement | 19-04-18 |
| | name | Kind of well plate | 96 well | shaking time [min] | 30 |
| cold substance | ACB-ID | sample volume [µL] | 100 | stirring rate (Target) [rpm] | 150 |
| | Batch number | Cocktail volume [µL] | 175 | Kind of measurement | UV-vis |
| | name | ACB-ID of cocktail | | Wave length [nm] | 450 |
| | ACB-ID | Matrix | DMEM (from powder)+PEG | Remarks | Cocktail 100µl RM, 75µl STOP |
| | Batch number | Blank description | DMEM/PEG, H2O | Remarks | 7 standards split low/high |
| n.a. | n.a. | Pipettes (No. / volume) | 50-200µl | Remarks | KLP4 common for both |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|-------|-------|---------|---|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | | | | | | | 0.047 | | | | |
| KLP2 | | | | | | | 0.054 | | | | |
| KLP3 | | | | | | | 0.051 | | | | |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.938 | 0.04 | 4.19 | 0.051 | 0.887 | 0.041 | -0.57 |
| KLP5 | 0.018 | 0.483 | 0.484 | 0.474 | 0.480 | 0.00 | 0.98 | 0.052 | 0.429 | 0.019 | 2.42 |
| KLP6 | 0.012 | 0.360 | 0.359 | 0.326 | 0.348 | 0.02 | 4.54 | 0.051 | 0.297 | 0.013 | 5.00 |
| KLP7 | 0.007 | 0.228 | 0.228 | 0.199 | 0.218 | 0.014 | 6.35 | | 0.168 | 0.006 | -11.29 |
| KLP8 | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|--------------|
| Geradensteigung | Slope | m | 21.03 |
| Y-Achsenabschnitt | Y-Intercept | b | 0.03 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.648055501 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.015177452 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.000664046 |
| Bereichsmittle | | | 0.019557193 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 23.81763508 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 18.24046944 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.099335829 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | -0.031281327 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9991 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9981 |
| Reststandardabweichung | | S ₀ | 0.01669983 |
| Summe Restquadrate | | sd | 0.657385838 |
| Verfahrensstandardabw. | | S ₀₀ | 0.000794131 |
| Rel. Verfahrensstandardabw. % | | V ₀₀ | 4.060559029 |

Berichten

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0.01 |
| x ² SD (LOD) | 0.01 |
| LLOQ (AU) | 0.061 |
| LOD (AU) | 0.067 |
| ULOQ | 0.887 |
| LLOQ (Lin) | 0.168 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date Operator Date Operator Control

Figure 1 Linearity

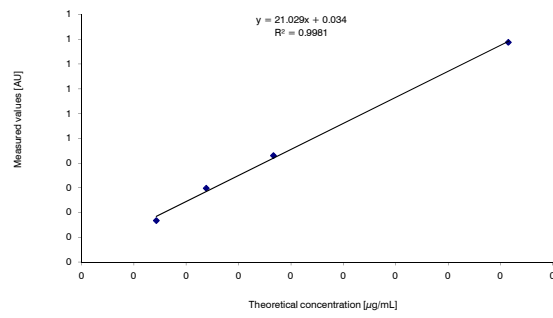
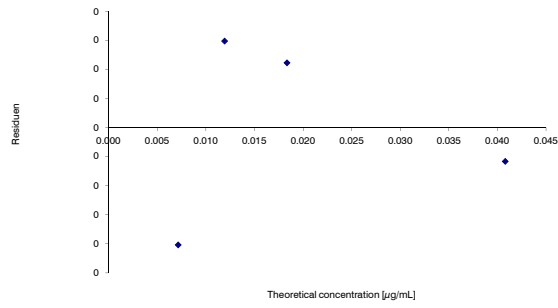


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T12 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12HN1 | T12 | A05 | 0.519 | 0.468 | 0.468 | 0.021 | 2.75 | 0.057 |
| T12HN1 | T12 | A06 | 0.533 | 0.482 | 0.482 | 0.021 | 2.75 | 0.059 |
| T12HN2 | T12 | A07 | 0.518 | 0.467 | 0.467 | 0.021 | 2.75 | 0.057 |
| T12HN2 | T12 | A08 | 0.519 | 0.468 | 0.468 | 0.021 | 2.75 | 0.057 |
| T12HN3 | T12 | A09 | 0.484 | 0.433 | 0.433 | 0.019 | 2.75 | 0.052 |
| T12HN3 | T12 | A10 | 0.513 | 0.462 | 0.462 | 0.020 | 2.75 | 0.056 |
| T12HN4 | T12 | A11 | 0.362 | 0.311 | 0.311 | 0.013 | 2.75 | 0.036 |
| T12HN4 | T12 | A12 | 0.354 | 0.303 | 0.303 | 0.013 | 2.75 | 0.035 |
| 0 | T12 | B01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B03 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B04 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12HS11 | T12 | B05 | 0.206 | 0.156 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12HS11 | T12 | B06 | 0.207 | 0.156 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12HS12 | T12 | B07 | 0.164 | 0.113 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12HS12 | T12 | B08 | 0.166 | 0.115 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12HS13 | T12 | B09 | 0.196 | 0.145 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12HS13 | T12 | B10 | 0.182 | 0.132 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12HS14 | T12 | B11 | 0.199 | 0.148 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12HS14 | T12 | B12 | 0.199 | 0.148 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T12 | C01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C03 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C04 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12HS21 | T12 | C05 | 0.835 | 0.784 | 0.784 | 0.036 | 2.75 | 0.098 |
| T12HS21 | T12 | C06 | 0.831 | 0.780 | 0.780 | 0.035 | 2.75 | 0.098 |
| T12HS22 | T12 | C07 | 0.740 | 0.689 | 0.689 | 0.031 | 2.75 | 0.086 |
| T12HS22 | T12 | C08 | 0.760 | 0.709 | 0.709 | 0.032 | 2.75 | 0.088 |
| T12HS23 | T12 | C09 | 0.624 | 0.573 | 0.573 | 0.026 | 2.75 | 0.070 |
| T12HS23 | T12 | C10 | 0.633 | 0.582 | 0.582 | 0.026 | 2.75 | 0.072 |
| T12HS24 | T12 | C11 | 0.245 | 0.194 | 0.194 | 0.008 | 2.75 | 0.021 |
| T12HS24 | T12 | C12 | 0.234 | 0.183 | 0.183 | 0.007 | 2.75 | 0.020 |
| 0 | T12 | D01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D03 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D04 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T12

| Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test |
|------|------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
| A | | | | 0.5187 | 0.5327 | 0.5178 | 0.5189 | 0.4838 | 0.5125 | 0.3623 | 0.3541 | | |
| B | | | | 0.2065 | 0.2068 | 0.1642 | 0.1658 | 0.1957 | 0.1825 | 0.1990 | 0.1987 | | |
| C | | | | 0.8350 | 0.8308 | 0.7404 | 0.7598 | 0.6239 | 0.6333 | 0.2450 | 0.2342 | | |
| D | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | |
| G | | | | | | 0.0490 | 0.0493 | 0.0495 | 0.0492 | 0.0492 | 0.0487 | | |
| H | | | | | | 0.0475 | 0.0473 | 0.0474 | 0.0475 | 0.0475 | 0.0469 | | |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---------|---------|---------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | T12HN1 | T12HN1 | T12HN2 | T12HN2 | T12HN3 | T12HN3 | T12HN4 | T12HN4 |
| B | | | | | T12HS11 | T12HS11 | T12HS12 | T12HS12 | T12HS13 | T12HS13 | T12HS14 | T12HS14 |
| C | | | | | T12HS21 | T12HS21 | T12HS22 | T12HS22 | T12HS23 | T12HS23 | T12HS24 | T12HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Samples aufgeteilt in lin high und low; höher konzentrierte Samples bei lin high zu finden.

Comment:

Date Operator

Date Control

| | | | | | | | | |
|--------------|-----|-----|---|---|--------------|---------|------|---------|
| 0 | T12 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T12 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T12 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T12 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T12 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T12 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T12 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| 0 | T12 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T12 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T12 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T12 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T12 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T12 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T12 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |

| | | | | | | | | |
|---------|-----|-----|-------|--------|--------------|---------|------|---------|
| 0 | T13 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13HN1 | T13 | A05 | 0.454 | 0.403 | 0.403 | 0.018 | 2.75 | 0.048 |
| T13HN1 | T13 | A06 | 0.424 | 0.373 | 0.373 | 0.016 | 2.75 | 0.044 |
| T13HN2 | T13 | A07 | 0.350 | 0.299 | 0.299 | 0.013 | 2.75 | 0.035 |
| T13HN2 | T13 | A08 | 0.386 | 0.335 | 0.335 | 0.014 | 2.75 | 0.039 |
| T13HN3 | T13 | A09 | 0.444 | 0.393 | 0.393 | 0.017 | 2.75 | 0.047 |
| T13HN3 | T13 | A10 | 0.434 | 0.383 | 0.383 | 0.017 | 2.75 | 0.046 |
| T13HN4 | T13 | A11 | 0.382 | 0.331 | 0.331 | 0.014 | 2.75 | 0.039 |
| T13HN4 | T13 | A12 | 0.382 | 0.332 | 0.332 | 0.014 | 2.75 | 0.039 |
| 0 | T13 | B01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B03 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B04 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13HS11 | T13 | B05 | 0.158 | 0.107 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T13HS11 | T13 | B06 | 0.201 | 0.150 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T13HS12 | T13 | B07 | 0.183 | 0.132 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T13HS12 | T13 | B08 | 0.182 | 0.131 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T13HS13 | T13 | B09 | 0.159 | 0.108 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T13HS13 | T13 | B10 | 0.156 | 0.105 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T13HS14 | T13 | B11 | 0.184 | 0.133 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T13HS14 | T13 | B12 | 0.190 | 0.139 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T13 | C01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C03 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C04 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13HS21 | T13 | C05 | 0.933 | 0.882 | 0.882 | 0.040 | 2.75 | 0.111 |
| T13HS21 | T13 | C06 | 0.873 | 0.822 | 0.822 | 0.037 | 2.75 | 0.103 |
| T13HS22 | T13 | C07 | 0.744 | 0.694 | 0.694 | 0.031 | 2.75 | 0.086 |
| T13HS22 | T13 | C08 | 0.758 | 0.707 | 0.707 | 0.032 | 2.75 | 0.088 |
| T13HS23 | T13 | C09 | 0.539 | 0.488 | 0.488 | 0.022 | 2.75 | 0.059 |
| T13HS23 | T13 | C10 | 0.581 | 0.530 | 0.530 | 0.024 | 2.75 | 0.065 |
| T13HS24 | T13 | C11 | 0.256 | 0.205 | 0.205 | 0.008 | 2.75 | 0.022 |
| T13HS24 | T13 | C12 | 0.289 | 0.238 | 0.238 | 0.010 | 2.75 | 0.027 |
| 0 | T13 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T13

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | 0.454 | 0.424 | 0.350 | 0.386 | 0.444 | 0.434 | 0.382 | 0.382 |
| B | | | | | 0.158 | 0.201 | 0.183 | 0.182 | 0.159 | 0.156 | 0.184 | 0.190 |
| C | | | | | 0.933 | 0.873 | 0.744 | 0.758 | 0.539 | 0.581 | 0.256 | 0.289 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.050 | 0.050 | 0.053 | 0.051 | 0.051 | 0.050 |
| H | | | | | | | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T13HN1 | T13HN1 | T13HN2 | T13HN2 | T13HN3 | T13HN3 | T13HN4 | T13HN4 |
| B | | | | | T13HS11 | T13HS11 | T13HS12 | T13HS12 | T13HS13 | T13HS13 | T13HS14 | T13HS14 |
| C | | | | | T13HS21 | T13HS21 | T13HS22 | T13HS22 | T13HS23 | T13HS23 | T13HS24 | T13HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date Operator _____ Date Control _____

| | | | | | | | | |
|--------------|-----|-----|-------|--------|--------------|---------|------|---------|
| 0 | T13 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T13 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T13 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T13 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T13 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T13 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T13 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T13 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T13 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T13 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T13 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T13 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T13 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T13 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T14 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T14HN1 | T14 | A05 | 0.308 | 0.257 | 0.257 | 0.011 | 2.75 | 0.029 |
| T14HN1 | T14 | A06 | 0.290 | 0.239 | 0.239 | 0.010 | 2.75 | 0.027 |
| T14HN2 | T14 | A07 | 0.352 | 0.301 | 0.301 | 0.013 | 2.75 | 0.035 |
| T14HN2 | T14 | A08 | 0.377 | 0.327 | 0.327 | 0.014 | 2.75 | 0.038 |
| T14HN3 | T14 | A09 | 0.386 | 0.335 | 0.335 | 0.014 | 2.75 | 0.039 |
| T14HN3 | T14 | A10 | 0.406 | 0.355 | 0.355 | 0.015 | 2.75 | 0.042 |
| T14HN4 | T14 | A11 | 0.362 | 0.311 | 0.311 | 0.013 | 2.75 | 0.036 |
| T14HN4 | T14 | A12 | 0.392 | 0.341 | 0.341 | 0.015 | 2.75 | 0.040 |
| 0 | T14 | B01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B03 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B04 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T14HS11 | T14 | B05 | 0.183 | 0.132 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14HS11 | T14 | B06 | 0.180 | 0.129 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14HS12 | T14 | B07 | 0.174 | 0.124 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14HS12 | T14 | B08 | 0.178 | 0.127 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14HS13 | T14 | B09 | 0.170 | 0.119 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14HS13 | T14 | B10 | 0.174 | 0.123 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14HS14 | T14 | B11 | 0.187 | 0.136 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14HS14 | T14 | B12 | 0.256 | 0.205 | 0.205 | 0.008 | 2.75 | 0.022 |
| 0 | T14 | C01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T14

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | 0.308 | 0.290 | 0.352 | 0.377 | 0.386 | 0.406 | 0.362 | 0.392 |
| B | | | | | 0.183 | 0.180 | 0.174 | 0.178 | 0.170 | 0.174 | 0.187 | 0.256 |
| C | | | | | 0.667 | 0.663 | 0.572 | 0.566 | 0.541 | 0.553 | 0.416 | 0.389 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.041 | 0.048 | 0.048 | 0.048 | 0.048 | 0.047 |
| H | | | | | | | 0.044 | 0.045 | 0.046 | 0.048 | 0.046 | 0.048 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---------|---------|---------|---------|---------|---------|---------|---------|
| A | | | | | T14HN1 | T14HN1 | T14HN2 | T14HN2 | T14HN3 | T14HN3 | T14HN4 | T14HN4 |
| B | | | | | T14HS11 | T14HS11 | T14HS12 | T14HS12 | T14HS13 | T14HS13 | T14HS14 | T14HS14 |
| C | | | | | T14HS21 | T14HS21 | T14HS22 | T14HS22 | T14HS23 | T14HS23 | T14HS24 | T14HS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------------|-----|-----|-------|--------|--------------|---------|------|---------|---|--|--|--|--|--|--------------|--------------|--------------|--------------|--------------|
| 0 | T14 | C02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | F | | | | | | | | | | |
| 0 | T14 | C03 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | G | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| 0 | T14 | C04 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | H | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |
| T14HS21 | T14 | C05 | 0.667 | 0.616 | 0.616 | 0.028 | 2.75 | 0.076 | | | | | | | | | | | |
| T14HS21 | T14 | C06 | 0.663 | 0.612 | 0.612 | 0.027 | 2.75 | 0.076 | | | | | | | | | | | |
| T14HS22 | T14 | C07 | 0.572 | 0.521 | 0.521 | 0.023 | 2.75 | 0.064 | | | | | | | | | | | |
| T14HS22 | T14 | C08 | 0.566 | 0.515 | 0.515 | 0.023 | 2.75 | 0.063 | | | | | | | | | | | |
| T14HS23 | T14 | C09 | 0.541 | 0.490 | 0.490 | 0.022 | 2.75 | 0.060 | | | | | | | | | | | |
| T14HS23 | T14 | C10 | 0.553 | 0.502 | 0.502 | 0.022 | 2.75 | 0.061 | | | | | | | | | | | |
| T14HS24 | T14 | C11 | 0.416 | 0.365 | 0.365 | 0.016 | 2.75 | 0.043 | | | | | | | | | | | |
| T14HS24 | T14 | C12 | 0.389 | 0.338 | 0.338 | 0.014 | 2.75 | 0.040 | | | | | | | | | | | |
| 0 | T14 | D01 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | D02 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T14 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T14 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T14 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T14 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T14 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank PEG | T14 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| 0 | T14 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T14 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T14 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T14 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T14 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T14 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |
| Blank no PEG | T14 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | |

Comment:

Date Operator

Date Control

| | | | | | |
|--------------------|--------------|----------------------------|-------------------------|-------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (Instrument meth) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| cold substance | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| n.a. | name | LDH | ACB-ID of cocktail | | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PE | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| n.a. | | | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | | | Pipettes (No. / volume) | n.a. | Remarks |
| n.a. | | | | | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|------|------|---------|-----------------------|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | Blank subtraction | [µg/mL] | [%] | |
| KLP1 | 0.148 | 1.579 | 1.652 | 1.627 | 1.62 | 0.03 | 1.87 | 0.047 | 1.568 | 0.148 | -0.24 | 0.00 |
| KLP2 | 0.114 | 1.357 | 1.443 | 1.372 | 1.39 | 0.04 | 2.70 | 0.054 | 1.340 | 0.110 | -3.40 | 0.00 |
| KLP3 | 0.074 | 1.272 | 1.193 | 1.228 | 1.23 | 0.03 | 2.63 | 0.051 | 1.180 | 0.084 | 13.04 | 0.01 |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.94 | 0.04 | 4.19 | 0.051 | 0.887 | 0.035 | -13.32 | -0.01 |
| KLP5 | | | | | | | | 0.052 | | | | |
| KLP6 | | | | | | | | 0.051 | | | | |
| KLP7 | | | | | | | | | | | | |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|-------------|
| Geradensteigung | Slope | m | 6.05 |
| Y-Achsenabschnitt | Y-intercept | b | 0.67 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.620291227 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.063894294 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.006578604 |
| Bereichsmittle | | f | 0.094336926 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 8.722319627 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 3.384093228 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.946914615 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | 0.398761518 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9897 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9794 |
| Reststandardabweichung | | S ₀ | 0.050310948 |
| Summe Restquadrat | | sd | 2.895683345 |
| Verfahrensstandardabw. | | S _{0p} | 0.008311454 |
| Rel. Verfahrensstandardabw. % | | V _{0p} | 8.810393374 |

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0 |
| x ² SD (LOD) | 0 |
| LLOQ (AU) | 0 |
| LOD (AU) | 0 |
| LLOQ | 1.568 |
| LLOQ (Lin) | 0.887 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date _____ Operator _____ Date _____ Control _____

Figure 1 Linearity

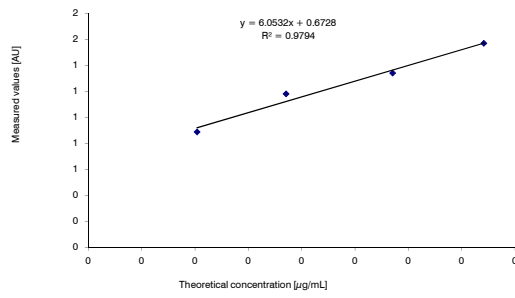
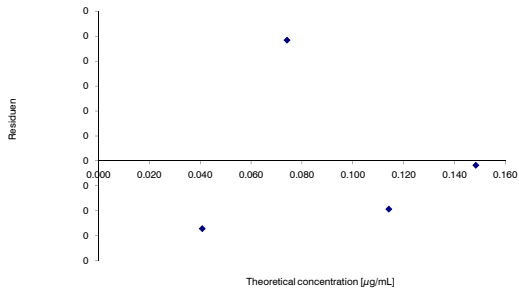


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T12 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T12

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Comment:
alle Messwerte bei lin low

Samples aufgeteilt in lin high und low;niedriger konzentrierte Samples bei lin low zu finden.

Date Operator Date Control

| | | | | | | | | |
|--------------|-----|-----|-------|--------|--------------|---------|------|---------|
| 0 | T12 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T12 | G07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G11 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G12 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T12 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T12 | H07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H11 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H12 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | |
|---|---|-----|---|--------------|---------|----|---------|
| 0 | B | A01 | 0 | kleiner LLOQ | #VALUE! | 2 | #VALUE! |
| 0 | B | A02 | 0 | kleiner LLOQ | #VALUE! | 3 | #VALUE! |
| 0 | B | A03 | 0 | kleiner LLOQ | #VALUE! | 4 | #VALUE! |
| 0 | B | A04 | 0 | kleiner LLOQ | #VALUE! | 5 | #VALUE! |
| 0 | B | A05 | 0 | kleiner LLOQ | #VALUE! | 6 | #VALUE! |
| 0 | B | A06 | 0 | kleiner LLOQ | #VALUE! | 7 | #VALUE! |
| 0 | B | A07 | 0 | kleiner LLOQ | #VALUE! | 8 | #VALUE! |
| 0 | B | A08 | 0 | kleiner LLOQ | #VALUE! | 9 | #VALUE! |
| 0 | B | A09 | 0 | kleiner LLOQ | #VALUE! | 10 | #VALUE! |
| 0 | B | A10 | 0 | kleiner LLOQ | #VALUE! | 11 | #VALUE! |
| 0 | B | A11 | 0 | kleiner LLOQ | #VALUE! | 12 | #VALUE! |
| 0 | B | A12 | 0 | kleiner LLOQ | #VALUE! | 13 | #VALUE! |
| 0 | B | B01 | 0 | kleiner LLOQ | #VALUE! | 14 | #VALUE! |
| 0 | B | B02 | 0 | kleiner LLOQ | #VALUE! | 15 | #VALUE! |
| 0 | B | B03 | 0 | kleiner LLOQ | #VALUE! | 16 | #VALUE! |
| 0 | B | B04 | 0 | kleiner LLOQ | #VALUE! | 17 | #VALUE! |
| 0 | B | B05 | 0 | kleiner LLOQ | #VALUE! | 18 | #VALUE! |
| 0 | B | B06 | 0 | kleiner LLOQ | #VALUE! | 19 | #VALUE! |
| 0 | B | B07 | 0 | kleiner LLOQ | #VALUE! | 20 | #VALUE! |
| 0 | B | B08 | 0 | kleiner LLOQ | #VALUE! | 21 | #VALUE! |
| 0 | B | B09 | 0 | kleiner LLOQ | #VALUE! | 22 | #VALUE! |
| 0 | B | B10 | 0 | kleiner LLOQ | #VALUE! | 23 | #VALUE! |
| 0 | B | B11 | 0 | kleiner LLOQ | #VALUE! | 24 | #VALUE! |
| 0 | B | B12 | 0 | kleiner LLOQ | #VALUE! | 25 | #VALUE! |
| 0 | B | C01 | 0 | kleiner LLOQ | #VALUE! | 26 | #VALUE! |
| 0 | B | C02 | 0 | kleiner LLOQ | #VALUE! | 27 | #VALUE! |
| 0 | B | C03 | 0 | kleiner LLOQ | #VALUE! | 28 | #VALUE! |
| 0 | B | C04 | 0 | kleiner LLOQ | #VALUE! | 29 | #VALUE! |
| 0 | B | C05 | 0 | kleiner LLOQ | #VALUE! | 30 | #VALUE! |
| 0 | B | C06 | 0 | kleiner LLOQ | #VALUE! | 31 | #VALUE! |
| 0 | B | C07 | 0 | kleiner LLOQ | #VALUE! | 32 | #VALUE! |
| 0 | B | C08 | 0 | kleiner LLOQ | #VALUE! | 33 | #VALUE! |
| 0 | B | C09 | 0 | kleiner LLOQ | #VALUE! | 34 | #VALUE! |
| 0 | B | C10 | 0 | kleiner LLOQ | #VALUE! | 35 | #VALUE! |
| 0 | B | C11 | 0 | kleiner LLOQ | #VALUE! | 36 | #VALUE! |
| 0 | B | C12 | 0 | kleiner LLOQ | #VALUE! | 37 | #VALUE! |
| 0 | B | D01 | 0 | kleiner LLOQ | #VALUE! | 38 | #VALUE! |
| 0 | B | D02 | 0 | kleiner LLOQ | #VALUE! | 39 | #VALUE! |
| 0 | B | D03 | 0 | kleiner LLOQ | #VALUE! | 40 | #VALUE! |
| 0 | B | D04 | 0 | kleiner LLOQ | #VALUE! | 41 | #VALUE! |
| 0 | B | D05 | 0 | kleiner LLOQ | #VALUE! | 42 | #VALUE! |
| 0 | B | D06 | 0 | kleiner LLOQ | #VALUE! | 43 | #VALUE! |
| 0 | B | D07 | 0 | kleiner LLOQ | #VALUE! | 44 | #VALUE! |
| 0 | B | D08 | 0 | kleiner LLOQ | #VALUE! | 45 | #VALUE! |
| 0 | B | D09 | 0 | kleiner LLOQ | #VALUE! | 46 | #VALUE! |
| 0 | B | D10 | 0 | kleiner LLOQ | #VALUE! | 47 | #VALUE! |
| 0 | B | D11 | 0 | kleiner LLOQ | #VALUE! | 48 | #VALUE! |
| 0 | B | D12 | 0 | kleiner LLOQ | #VALUE! | 49 | #VALUE! |

Plate: **B**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Comment:

Date _____ Operator _____

Date _____ Control _____

| | | | | | | | | |
|---|---|-----|---|---|--------------|---------|----|---------|
| 0 | B | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 50 | #VALUE! |
| 0 | B | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 51 | #VALUE! |
| 0 | B | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 52 | #VALUE! |
| 0 | B | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 53 | #VALUE! |
| 0 | B | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 54 | #VALUE! |
| 0 | B | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 55 | #VALUE! |
| 0 | B | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 56 | #VALUE! |
| 0 | B | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 57 | #VALUE! |
| 0 | B | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 58 | #VALUE! |
| 0 | B | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 59 | #VALUE! |
| 0 | B | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 60 | #VALUE! |
| 0 | B | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 61 | #VALUE! |
| 0 | B | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 62 | #VALUE! |
| 0 | B | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 63 | #VALUE! |
| 0 | B | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 64 | #VALUE! |
| 0 | B | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 65 | #VALUE! |
| 0 | B | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 66 | #VALUE! |
| 0 | B | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 67 | #VALUE! |
| 0 | B | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 68 | #VALUE! |
| 0 | B | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 69 | #VALUE! |
| 0 | B | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 70 | #VALUE! |
| 0 | B | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 71 | #VALUE! |
| 0 | B | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 72 | #VALUE! |
| 0 | B | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 73 | #VALUE! |
| 0 | B | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 74 | #VALUE! |
| 0 | B | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 75 | #VALUE! |
| 0 | B | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 76 | #VALUE! |
| 0 | B | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 77 | #VALUE! |
| 0 | B | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 78 | #VALUE! |
| 0 | B | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 79 | #VALUE! |
| 0 | B | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 80 | #VALUE! |
| 0 | B | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 81 | #VALUE! |
| 0 | B | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 82 | #VALUE! |
| 0 | B | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 83 | #VALUE! |
| 0 | B | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 84 | #VALUE! |
| 0 | B | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 85 | #VALUE! |
| 0 | B | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 86 | #VALUE! |
| 0 | B | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 87 | #VALUE! |
| 0 | B | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 88 | #VALUE! |
| 0 | B | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 89 | #VALUE! |
| 0 | B | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 90 | #VALUE! |
| 0 | B | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 91 | #VALUE! |
| 0 | B | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 92 | #VALUE! |
| 0 | B | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 93 | #VALUE! |
| 0 | B | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 94 | #VALUE! |
| 0 | B | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 95 | #VALUE! |
| 0 | B | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 96 | #VALUE! |
| 0 | B | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 97 | #VALUE! |

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.447 | 1.739 | | 1.170 | | | | | | 0.667 | 0.440 | 0.043 |
| 1.447 | 1.332 | | 1.392 | 0.137 | 0.146 | 0.130 | 0.138 | 0.109 | 0.729 | 0.478 | 0.042 |
| 1.391 | 1.281 | | 1.311 | 0.204 | 0.184 | 0.184 | 0.198 | 0.201 | 0.743 | 0.474 | 0.043 |
| 0.961 | 0.835 | | 1.405 | 0.336 | 0.347 | 0.375 | 0.387 | 0.300 | 0.824 | 0.483 | 0.044 |
| 0.445 | 0.441 | | 1.280 | 1.085 | 1.086 | 1.218 | 1.004 | 0.873 | 0.704 | 0.457 | 0.041 |
| 0.355 | 0.315 | | 1.332 | 1.768 | 1.925 | 1.753 | 1.739 | 1.606 | | | 0.036 |
| 0.223 | 0.188 | 1.666 | 1.499 | 1.632 | | 0.048 | 0.046 | 0.047 | 0.048 | 0.048 | 0.048 |
| 0.118 | 0.106 | 1.556 | 1.622 | 1.573 | | 0.047 | 0.054 | 0.051 | 0.051 | 0.052 | 0.051 |

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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.652 | 1.627 | | 1.188 | 0.748 | 0.811 | 0.764 | 0.753 | 0.674 | 0.751 | 0.529 | 0.044 |
| 1.443 | 1.372 | | 1.364 | 0.139 | 0.147 | 0.131 | 0.139 | 0.110 | 0.811 | 0.561 | 0.043 |
| 1.377 | 1.281 | | 1.284 | 0.206 | 0.189 | 0.184 | 0.200 | 0.202 | 0.821 | 0.560 | 0.044 |
| 0.972 | 0.883 | | 1.387 | 0.339 | 0.349 | 0.386 | 0.406 | 0.312 | 0.903 | 0.565 | 0.044 |
| 0.484 | 0.474 | | 1.298 | 1.087 | 1.113 | 1.203 | 1.022 | 0.903 | 0.790 | 0.544 | 0.042 |
| 0.359 | 0.326 | | 1.308 | 1.622 | 1.622 | 1.630 | 1.625 | 1.550 | | | 0.037 |
| 0.228 | 0.199 | 1.527 | 1.373 | 1.462 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.109 | 1.473 | 1.410 | 1.371 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

2

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.579 | 1.475 | | 1.150 | 1.210 | 1.303 | 1.202 | 1.219 | 1.125 | 0.759 | 0.549 | 0.043 |
| 1.357 | 1.303 | | 1.283 | 0.140 | 0.148 | 0.131 | 0.139 | 0.111 | 0.820 | 0.575 | 0.043 |
| 1.323 | 1.228 | | 1.227 | 0.206 | 0.188 | 0.184 | 0.198 | 0.201 | 0.824 | 0.579 | 0.043 |
| 0.959 | 0.872 | | 1.321 | 0.339 | 0.348 | 0.387 | 0.406 | 0.314 | 0.909 | 0.580 | 0.044 |
| 0.483 | 0.473 | | 1.270 | 1.069 | 1.103 | 1.181 | 1.017 | 0.903 | 0.798 | 0.560 | 0.042 |
| 0.360 | 0.326 | | 1.270 | 1.497 | 1.448 | 1.496 | 1.494 | 1.449 | | | 0.037 |
| 0.228 | 0.199 | 1.374 | 1.262 | 1.314 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.346 | 1.262 | 1.253 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

3

| | | | | | | | | | | | |
|-------|-------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.511 | 1.369 | | | 1.538 | 1.712 | 1.528 | 1.502 | 1.425 | | | 0.043 |
| 1.296 | 1.261 | | | | | | | | | | 0.043 |
| 1.272 | 1.193 | | | | | | | | | | 0.043 |
| 0.947 | 0.859 | | | | | | | | | | 0.044 |
| 0.481 | 0.471 | | | | | | | | | | 0.042 |
| 0.361 | 0.325 | | | | | | | | | | 0.037 |
| 0.229 | 0.199 | | | | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.047 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

4

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.493 | 1.317 | 1.678 | 1.110 | 1.621 | 1.807 | 1.618 | 1.584 | 1.508 | 0.765 | 0.597 | 0.043 |
| 1.259 | 1.238 | 1.850 | 1.197 | 0.139 | 0.150 | 0.132 | 0.139 | 0.111 | 0.821 | 0.588 | 0.043 |
| 1.248 | 1.175 | 1.816 | 1.153 | 0.204 | 0.188 | 0.184 | 0.197 | 0.199 | 0.831 | 0.599 | 0.044 |
| 0.943 | 0.859 | 1.970 | 1.231 | 0.338 | 0.357 | 0.386 | 0.406 | 0.316 | 0.916 | 0.595 | 0.044 |
| 0.480 | 0.470 | 2.220 | 1.220 | 1.054 | 1.088 | 1.154 | 1.006 | 0.902 | 0.805 | 0.579 | 0.042 |
| 0.359 | 0.325 | 2.149 | 1.211 | 1.395 | 1.324 | 1.348 | 1.345 | 1.317 | 0.037 | 0.037 | 0.037 |
| 0.228 | 0.199 | 1.240 | 1.151 | 1.183 | 0.034 | 0.049 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.223 | 1.132 | 1.146 | 0.038 | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

5

| | | | | | | | | | | | |
|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.434 | 1.258 | | 1.090 | 1.648 | 1.876 | 1.649 | 1.627 | 1.535 | | | |
| 1.217 | 1.201 | | 1.149 | | | | | | | | |
| 1.205 | 1.143 | | 1.109 | | | | | | | | |
| 0.935 | 0.845 | | 1.182 | | | | | | | | |
| 0.477 | 0.469 | | 1.181 | | | | | | | | |
| 0.360 | 0.323 | | 1.167 | | | | | | | | |
| 0.229 | 0.200 | | | | | 0.049 | 0.047 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

6

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.013 | 0.810 | | 0.668 | 0.808 | 0.940 | 0.720 | 0.798 | 0.687 | 0.904 | 0.845 | 0.043 |
| 0.709 | 0.827 | | 0.703 | 0.142 | 0.156 | 0.136 | 0.137 | 0.116 | 0.990 | 0.846 | 0.042 |
| 0.682 | 0.692 | | 0.680 | 0.197 | 0.188 | 0.190 | 0.191 | 0.184 | 1.023 | 0.861 | 0.043 |
| 0.507 | 0.519 | | 0.740 | 0.316 | 0.264 | 0.364 | 0.377 | 0.312 | 1.111 | 0.870 | 0.043 |
| 0.394 | 0.406 | | 0.682 | 0.580 | 0.561 | 0.600 | 0.529 | 0.563 | 0.962 | 0.834 | 0.042 |
| 0.333 | 0.322 | | 0.661 | 0.995 | 0.930 | 0.848 | 0.832 | 0.797 | 0.037 | 0.037 | 0.037 |
| 0.229 | 0.201 | 0.843 | 0.679 | 0.732 | | 0.048 | 0.046 | 0.047 | | | 0.047 |
| 0.124 | 0.111 | 0.773 | 0.682 | 0.701 | | 0.047 | 0.053 | 0.051 | 0.051 | 0.052 | 0.051 |

7

skin cultivation

| | | | | | |
|--------------------|--------------|------------------------------|----------------------------|------------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (instrument method) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | File name (results) | IsBa_180419/20_LDH_full_v2 | Date of measurement | 19-04-18 |
| | name | Kind of well plate | 96 well | shaking time [min] | 30 |
| cold substance | ACB-ID | sample volume [µL] | 100 | stirring rate (Target) [rpm] | 150 |
| | Batch number | Cocktail volume [µL] | 175 | Kind of measurement | UV-vis |
| | name | ACB-ID of cocktail | | Wave length [nm] | 450 |
| | ACB-ID | Matrix | DMEM (from powder)+PEG | Remarks | Cocktail 100µl RM, 75µl STOP |
| n.a. | Batch number | Blank description | DMEM/PEG, H2O | Remarks | 7 standards split low/high |
| n.a. | n.a. | Pipettes (No. / volume) | 50-200µl | Remarks | KLP4 common for both |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|-------|-------|---------|---|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | | | | | | | 0.047 | | | | |
| KLP2 | | | | | | | 0.054 | | | | |
| KLP3 | | | | | | | 0.051 | | | | |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.938 | 0.04 | 4.19 | 0.051 | 0.887 | 0.041 | -0.57 |
| KLP5 | 0.018 | 0.483 | 0.484 | 0.474 | 0.480 | 0.00 | 0.98 | 0.052 | 0.429 | 0.019 | 2.42 |
| KLP6 | 0.012 | 0.360 | 0.359 | 0.326 | 0.348 | 0.02 | 4.54 | 0.051 | 0.297 | 0.013 | 5.00 |
| KLP7 | 0.007 | 0.228 | 0.228 | 0.199 | 0.218 | 0.014 | 6.35 | | 0.168 | 0.006 | -11.29 |
| KLP8 | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|--------------|
| Geradensteigung | Slope | m | 21.03 |
| Y-Achsenabschnitt | Y-Intercept | b | 0.03 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.648055501 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.015177452 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.000664046 |
| Bereichsmittle | | | 0.019557193 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 23.81763508 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 18.24046944 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.099335829 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | -0.031281327 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9991 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9981 |
| Reststandardabweichung | | S ₀ | 0.01669983 |
| Summe Restquadrate | | sd | 0.657385838 |
| Verfahrensstandardabw. | | S ₀₀ | 0.000794131 |
| Rel. Verfahrensstandardabw. % | | V ₀₀ | 4.060559029 |

Berichten

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0.01 |
| x ² SD (LOD) | 0.01 |
| LLOQ (AU) | 0.061 |
| LOD (AU) | 0.067 |
| ULOQ | 0.887 |
| LLOQ (Lin) | 0.168 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date Operator Date Operator Control

Figure 1 Linearity

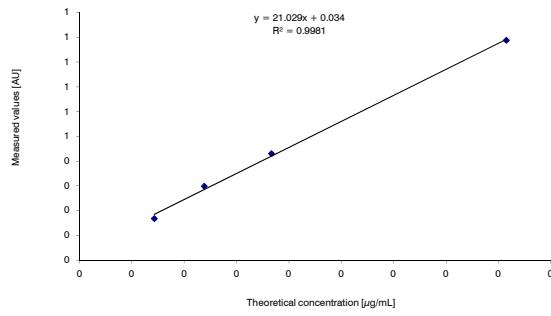
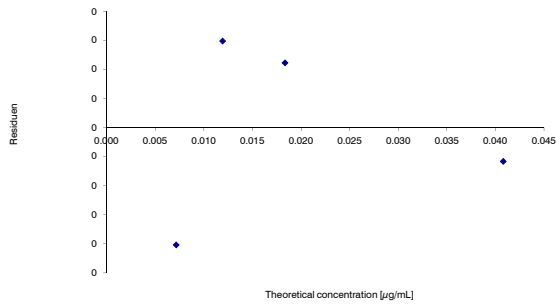


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | TO | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SN1 | TO | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SN1 | TO | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SN2 | TO | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SN2 | TO | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SN3 | TO | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SN3 | TO | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SN4 | TO | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SN4 | TO | D12 | 0.742 | 0.691 | 0.691 | 0.031 | 11 | 0.344 |

Plate: TO

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | 0.742 |
| E | | | | | | | | | | | 0.618 | 0.508 |
| F | | | | | | | | | | | 0.912 | 0.852 |
| G | 0.065 | 0.066 | 0.062 | 0.072 | 0.060 | 0.070 | 0.056 | 0.057 | 0.057 | 0.055 | 0.056 | 0.054 |
| H | 0.044 | 0.045 | 0.048 | 0.046 | 0.047 | 0.044 | 0.051 | 0.051 | 0.051 | 0.054 | 0.05 | 0.049 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | T04SN1 | T04SN1 | T04SN2 | T04SN2 | T04SN3 | T04SN3 | T04SN4 | T04SN4 |
| E | | | | | T04SS11 | T04SS11 | T04SS12 | T04SS12 | T04SS13 | T04SS13 | T04SS14 | T04SS14 |
| F | | | | | T04SS21 | T04SS21 | T04SS22 | T04SS22 | T04SS23 | T04SS23 | T04SS24 | T04SS24 |
| G | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Samples aufgeteilt in lin high und low.höher konzentrierte Samples bei lin high zu finden.

dil.4*dil.2,75=dil.11
 dil4*dil.8*dil.2,75=dil.88
 oder nur von ursprngl. Dil 4 auf dil 8 erhöht???

Comment:

Date Operator

Date Control

| | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | TO | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS11 | TO | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS11 | TO | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS12 | TO | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS12 | TO | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS13 | TO | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS13 | TO | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS14 | TO | E11 | 0.618 | 0.567 | 0.567 | 0.025 | 11 | 0.279 |
| T04SS14 | TO | E12 | 0.508 | 0.457 | 0.457 | 0.020 | 11 | 0.221 |
| 0 | TO | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | TO | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS21 | TO | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS21 | TO | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS22 | TO | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS22 | TO | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS23 | TO | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS23 | TO | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS24 | TO | F11 | 0.912 | 0.861 | 0.861 | 0.039 | 11 | 0.433 |
| T04SS24 | TO | F12 | 0.852 | 0.801 | 0.801 | 0.036 | 11 | 0.401 |
| Blank PEG | TO | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | TO | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | TO | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | TO | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | TO | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | TO | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | TO | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | TO | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | TO | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | TO | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | TO | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | TO | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | TO | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | TO | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | TO | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | TO | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | TO | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | TO | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | TO | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | TO | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | TO | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | TO | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | TO | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | TO | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|-------|----|-----|-------|-------|--------------|---------|-------|---------|
| 0 | T1 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1SN4 | T1 | D11 | 0.342 | 0.291 | 0.291 | 0.012 | 24.75 | 0.303 |
| T1SN4 | T1 | D12 | 0.313 | 0.262 | 0.262 | 0.011 | 24.75 | 0.268 |

Plate: T1

| | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | 0.342 | 0.313 |
| E | | | | | | | | | | | 0.439 | 0.439 |
| F | | | | | | | | | 0.497 | 0.475 | 0.692 | 0.690 |
| G | 0.285 | 0.299 | | | 0.555 | 0.519 | 0.065 | 0.053 | 0.052 | 0.056 | 0.050 | 0.055 |
| H | 0.381 | 0.357 | 0.306 | 0.303 | | | 0.051 | 0.051 | 0.051 | 0.052 | 0.052 | 0.051 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|--------|--------|--------|--------|-------|-------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | T1SN2 | T1SN2 | | | | |
| F | | | | | | | | | | | T1SN4 | T1SN4 |
| G | T1SN3 | T1SN3 | | | T1SN1 | T1SN1 | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | T1SS12 | T1SS12 | T1SS13 | T1SS13 | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

dil. 5*dil. 2,75=dil. 13,75
dil. 9*dil. 2,75=dil. 24,75
dil. 9*dil. 4*dil. 2,75=dil. 99
dil. 9*dil. 9*dil. 2,75=dil. 222,75

Date Operator Date Control

| | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|--------|---------|
| 0 | T1 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1SS14 | T1 | E11 | 0.439 | 0.388 | 0.388 | 0.017 | 24.75 | 0.416 |
| T1SS14 | T1 | E12 | 0.439 | 0.388 | 0.388 | 0.017 | 24.75 | 0.416 |
| 0 | T1 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1SS23 | T1 | F09 | 0.497 | 0.447 | 0.447 | 0.020 | 24.75 | 0.486 |
| T1SS23 | T1 | F10 | 0.475 | 0.424 | 0.424 | 0.019 | 24.75 | 0.459 |
| T1SS24 | T1 | F11 | 0.692 | 0.641 | 0.641 | 0.029 | 24.75 | 0.714 |
| T1SS24 | T1 | F12 | 0.690 | 0.639 | 0.639 | 0.029 | 24.75 | 0.712 |
| T1SN3 | T1 | G01 | 0.285 | 0.234 | 0.234 | 0.010 | 222.75 | 2.118 |
| T1SN3 | T1 | G02 | 0.298 | 0.247 | 0.247 | 0.010 | 222.75 | 2.254 |
| 0 | T1 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1SN1 | T1 | G05 | 0.555 | 0.504 | 0.504 | 0.022 | 99 | 2.214 |
| T1SN1 | T1 | G06 | 0.519 | 0.468 | 0.468 | 0.021 | 99 | 2.043 |
| Blank PEG | T1 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T1SS12 | T1 | H01 | 0.381 | 0.330 | 0.330 | 0.014 | 222.75 | 3.134 |
| T1SS12 | T1 | H02 | 0.357 | 0.306 | 0.306 | 0.013 | 222.75 | 2.880 |
| T1SS13 | T1 | H03 | 0.306 | 0.255 | 0.255 | 0.010 | 222.75 | 2.337 |
| T1SS13 | T1 | H04 | 0.303 | 0.252 | 0.252 | 0.010 | 222.75 | 2.312 |
| 0 | T1 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T1 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T1 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T1 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T1 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T1 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T1 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T2 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T2

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | 0.606 | 0.608 | | | | | | |
| H | 0.503 | 0.559 | 0.312 | 0.313 | 0.298 | 0.250 | 0.052 | 0.053 | 0.053 | 0.053 | 0.052 | 0.052 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|-------|---------|-------|--------|--------|--------|--------|-------|--------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|
| 0 | T2 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | E | | | | | | T2SS12 | T2SS12 | T2SS13 | T2SS13 | | | | |
| 0 | T2 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | F | | | | | | T2SS21 | T2SS21 | | | | | | |
| 0 | T2 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | G | | | | | | T2SS11 | T2SS11 | T2SS22 | T2SS22 | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| 0 | T2 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | H | T2SS23 | T2SS23 | T2SS24 | T2SS24 | T2SN2 | T2SN2 | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | |
| 0 | T2 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| T2SS12 | T2 | E07 | 0.574 | 0.523 | 0.523 | 0.523 | 0.023 | 22 | 0.512 | | | | | | | | | | | | | |
| T2SS12 | T2 | E08 | 0.573 | 0.522 | 0.522 | 0.522 | 0.023 | 22 | 0.511 | | | | | | | | | | | | | |
| T2SS13 | T2 | E09 | 0.572 | 0.522 | 0.522 | 0.522 | 0.023 | 22 | 0.510 | | | | | | | | | | | | | |
| T2SS13 | T2 | E10 | 0.589 | 0.538 | 0.538 | 0.538 | 0.024 | 22 | 0.527 | | | | | | | | | | | | | |
| 0 | T2 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| T2SS21 | T2 | F05 | 0.608 | 0.556 | 0.556 | 0.556 | 0.025 | 22 | 0.546 | | | | | | | | | | | | | |
| T2SS21 | T2 | F06 | 0.608 | 0.557 | 0.557 | 0.557 | 0.025 | 22 | 0.547 | | | | | | | | | | | | | |
| 0 | T2 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T2 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| T2SS11 | T2 | G03 | 0.511 | 0.460 | 0.460 | 0.460 | 0.020 | 16.5 | 0.334 | | | | | | | | | | | | | |
| T2SS11 | T2 | G04 | 0.494 | 0.443 | 0.443 | 0.443 | 0.019 | 16.5 | 0.321 | | | | | | | | | | | | | |
| T2SS22 | T2 | G05 | 0.744 | 0.694 | 0.694 | 0.694 | 0.031 | 16.5 | 0.517 | | | | | | | | | | | | | |
| T2SS22 | T2 | G06 | 0.774 | 0.723 | 0.723 | 0.723 | 0.033 | 16.5 | 0.541 | | | | | | | | | | | | | |
| Blank PEG | T2 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | | | |
| Blank PEG | T2 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | | | |
| Blank PEG | T2 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | | | |
| Blank PEG | T2 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | | | |
| Blank PEG | T2 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | | | |
| Blank PEG | T2 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | | | |
| T2SS23 | T2 | H01 | 0.503 | 0.452 | 0.452 | 0.452 | 0.020 | 16.5 | 0.328 | | | | | | | | | | | | | |
| T2SS23 | T2 | H02 | 0.559 | 0.508 | 0.508 | 0.508 | 0.023 | 16.5 | 0.372 | | | | | | | | | | | | | |
| T2SS24 | T2 | H03 | 0.312 | 0.261 | 0.261 | 0.261 | 0.011 | 16.5 | 0.178 | | | | | | | | | | | | | |
| T2SS24 | T2 | H04 | 0.313 | 0.262 | 0.262 | 0.262 | 0.011 | 16.5 | 0.179 | | | | | | | | | | | | | |
| T2SN2 | T2 | H05 | 0 | 0 | 0 | 0 | 0.01 | 22 | 0.223 | | | | | | | | | | | | | |
| T2SN2 | T2 | H06 | 0 | 0 | 0 | 0 | 0.01 | 22 | 0.173 | | | | | | | | | | | | | |
| Blank no PEG | T2 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | | | |
| Blank no PEG | T2 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | | | |
| Blank no PEG | T2 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | | | |
| Blank no PEG | T2 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | | | |
| Blank no PEG | T2 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | | | |
| Blank no PEG | T2 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T3 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T3 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |
| 0 | T3 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | | | | | | | | | | | | | | |

Comment:

Date Operator

Date Control

| | | | | | | | | |
|--------|----|-----|-------|-------|--------------|---------|-------|---------|
| 0 | T3 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SN2 | T3 | D07 | 0.410 | 0.359 | 0.359 | 0.015 | 24.75 | 0.383 |
| T3SN2 | T3 | D08 | 0.080 | 0.029 | 0.029 | 0.008 | 24.75 | 0.172 |
| T3SN3 | T3 | D09 | 0.262 | 0.211 | 0.211 | 0.008 | 24.75 | 0.208 |
| T3SN3 | T3 | D10 | 0.231 | 0.180 | 0.180 | 0.007 | 24.75 | 0.172 |
| T3SN4 | T3 | D11 | 0.503 | 0.452 | 0.452 | 0.020 | 11 | 0.219 |
| T3SN4 | T3 | D12 | 0.547 | 0.496 | 0.496 | 0.022 | 11 | 0.242 |
| 0 | T3 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS11 | T3 | E05 | 0.557 | 0.506 | 0.506 | 0.022 | 11 | 0.247 |
| T3SS11 | T3 | E06 | 0.530 | 0.479 | 0.479 | 0.021 | 11 | 0.233 |
| T3SS12 | T3 | E07 | 0.621 | 0.570 | 0.570 | 0.025 | 24.75 | 0.631 |
| T3SS12 | T3 | E08 | 0.561 | 0.510 | 0.510 | 0.023 | 24.75 | 0.560 |
| T3SS13 | T3 | E09 | 0.682 | 0.631 | 0.631 | 0.028 | 11 | 0.312 |
| T3SS13 | T3 | E10 | 0.634 | 0.584 | 0.584 | 0.026 | 11 | 0.287 |
| T3SS14 | T3 | E11 | 0.414 | 0.363 | 0.363 | 0.016 | 11 | 0.172 |
| T3SS14 | T3 | E12 | 0.402 | 0.351 | 0.351 | 0.015 | 11 | 0.166 |
| 0 | T3 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS21 | T3 | F05 | 0.475 | 0.424 | 0.424 | 0.019 | 11 | 0.204 |
| T3SS21 | T3 | F06 | 0.468 | 0.417 | 0.417 | 0.018 | 11 | 0.200 |
| T3SS22 | T3 | F07 | 0.368 | 0.317 | 0.317 | 0.013 | 11 | 0.148 |
| T3SS22 | T3 | F08 | 0.400 | 0.349 | 0.349 | 0.015 | 11 | 0.165 |
| T3SS23 | T3 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS23 | T3 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS24 | T3 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS24 | T3 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T3

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | 0.410 | 0.080 | 0.262 | 0.231 | 0.503 | 0.547 |
| E | | | | | | | | | | | | | |
| F | | | | | 0.557 | 0.530 | 0.621 | 0.561 | 0.682 | 0.634 | 0.414 | 0.402 | |
| G | | | | | 0.475 | 0.468 | 0.368 | 0.400 | | | | | |
| H | | | | | | | | 0.052 | 0.048 | 0.052 | 0.052 | 0.047 | 0.046 |
| | | | | | | | | 0.051 | 0.060 | 0.059 | 0.054 | 0.055 | 0.055 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | T3SS11 | T3SS11 | T3SN2 | T3SN2 | T3SN3 | T3SN3 | T3SN4 | T3SN4 |
| G | | | | | T3SS21 | T3SS21 | T3SS12 | T3SS12 | T3SS13 | T3SS13 | T3SS14 | T3SS14 |
| H | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

dil9*dil2,75=24,75
dil4*dil2,75=dil11

Comment:

Date Operator

Date Control

| | | | | | | | | |
|--------------|----|-----|---|---|--------------|---------|------|---------|
| 0 | T3 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T3 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T3 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T3 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | |
|--------------------|--------------|----------------------------|-------------------------|-------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (Instrument meth) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| cold substance | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| n.a. | name | LDH | ACB-ID of cocktail | | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PE | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| | | | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|------|------|---------|-----------------------|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | Blank subtraction | [µg/mL] | [%] | |
| KLP1 | 0.148 | 1.579 | 1.652 | 1.627 | 1.62 | 0.03 | 1.87 | 0.047 | 1.568 | 0.148 | -0.24 | 0.00 |
| KLP2 | 0.114 | 1.357 | 1.443 | 1.372 | 1.39 | 0.04 | 2.70 | 0.054 | 1.340 | 0.110 | -3.40 | 0.00 |
| KLP3 | 0.074 | 1.272 | 1.193 | 1.228 | 1.23 | 0.03 | 2.63 | 0.051 | 1.180 | 0.084 | 13.04 | 0.01 |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.94 | 0.04 | 4.19 | 0.051 | 0.887 | 0.035 | -13.32 | -0.01 |
| KLP5 | | | | | | | | 0.052 | | | | |
| KLP6 | | | | | | | | 0.051 | | | | |
| KLP7 | | | | | | | | | | | | |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|-------------|
| Geradensteigung | Slope | m | 6.05 |
| Y-Achsenabschnitt | Y-intercept | b | 0.67 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.620291227 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.063894294 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.006578604 |
| Bereichsmittle | | f | 0.094336926 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 8.722319627 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 3.384093228 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.946914615 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | 0.398761518 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9897 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9794 |
| Reststandardabweichung | | S ₀ | 0.050310948 |
| Summe Restquadrat | | sd | 2.895683345 |
| Verfahrensstandardabw. | | S _{0p} | 0.008311454 |
| Rel. Verfahrensstandardabw. % | | V _{0p} | 8.810393374 |

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0 |
| x ² SD (LOD) | 0 |
| LLOQ (AU) | 0 |
| LOD (AU) | 0 |
| LLOQ | 1.568 |
| LLOQ (Lin) | 0.887 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date

Operator

Date

Control

| | | | |
|---------------|--|---------|---------------|
| Formblatt-Nr. | | Version | |
| Titel | | | |
| Gültig ab | | Ablage | Projektordner |

Figure 1 Linearity

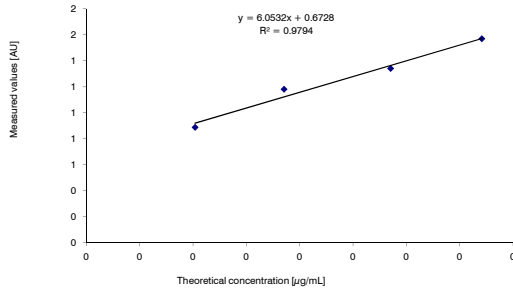
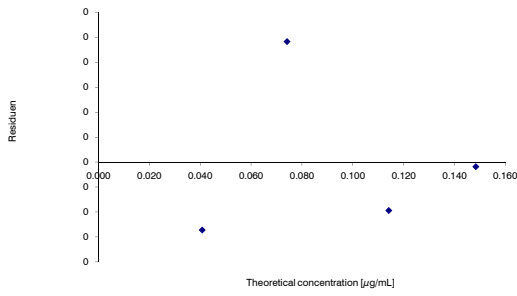


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| T04SN1 | T0 | A01 | 1.198 | 1.147 | 1.147 | 0.078 | 66 | 5.175 |
| T04SN1 | T0 | A02 | 1.291 | 1.240 | 1.240 | 0.094 | 66 | 6.184 |
| T04SN2 | T0 | A03 | 1.335 | 1.284 | 1.284 | 0.101 | 66 | 6.666 |
| T04SN2 | T0 | A04 | 1.239 | 1.188 | 1.188 | 0.085 | 66 | 5.818 |
| T04SN3 | T0 | A05 | 1.285 | 1.214 | 1.214 | 0.089 | 66 | 5.897 |
| T04SN3 | T0 | A06 | 1.305 | 1.254 | 1.254 | 0.096 | 66 | 6.332 |
| 0 | T0 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 22 | #VALUE! |
| 0 | T0 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 22 | #VALUE! |
| 0 | T0 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS11 | T0 | B01 | 1.302 | 1.251 | 1.251 | 0.095 | 66 | 6.303 |
| T04SS11 | T0 | B02 | 1.349 | 1.298 | 1.298 | 0.103 | 66 | 6.813 |
| T04SS12 | T0 | B03 | 1.214 | 1.163 | 1.163 | 0.081 | 66 | 5.342 |
| T04SS12 | T0 | B04 | 1.161 | 1.110 | 1.110 | 0.072 | 66 | 4.769 |
| T04SS13 | T0 | B05 | 1.334 | 1.283 | 1.283 | 0.101 | 66 | 6.653 |
| T04SS13 | T0 | B06 | 1.291 | 1.240 | 1.240 | 0.094 | 66 | 6.181 |
| 0 | T0 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 66 | #VALUE! |
| 0 | T0 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 66 | #VALUE! |
| 0 | T0 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS21 | T0 | C01 | 1.262 | 1.211 | 1.211 | 0.089 | 66 | 5.870 |
| T04SS21 | T0 | C02 | 1.442 | 1.391 | 1.391 | 0.119 | 66 | 7.826 |
| T04SS22 | T0 | C03 | 1.168 | 1.117 | 1.117 | 0.073 | 66 | 4.842 |
| T04SS22 | T0 | C04 | 1.090 | 1.039 | 1.039 | 0.060 | 66 | 3.992 |
| T04SS23 | T0 | C05 | 1.247 | 1.196 | 1.196 | 0.086 | 66 | 5.701 |
| T04SS23 | T0 | C06 | 1.062 | 1.011 | 1.011 | 0.056 | 66 | 3.683 |
| 0 | T0 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 66 | #VALUE! |
| 0 | T0 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 66 | #VALUE! |
| 0 | T0 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 66 | #VALUE! |
| 0 | T0 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 66 | #VALUE! |
| 0 | T0 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SN4 | T0 | D11 | 0.951 | 0.900 | 0.900 | 0.038 | 11 | 0.413 |
| T04SN4 | T0 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T0

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| A | 1.198 | 1.291 | 1.335 | 1.239 | 1.285 | 1.305 | | | | | | |
| B | 1.302 | 1.349 | 1.214 | 1.161 | 1.334 | 1.291 | | | | | | |
| C | 1.262 | 1.442 | 1.168 | 1.090 | 1.247 | 1.062 | | | | | | |
| D | | | | | | | | | | | 0.951 | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | 0.065 | 0.066 | 0.062 | 0.072 | 0.060 | 0.070 | 0.056 | 0.233 | 0.207 | 0.213 | 0.063 | 0.053 |
| H | 0.044 | 0.045 | 0.048 | 0.046 | 0.047 | 0.044 | 0.052 | 0.050 | 0.112 | 0.060 | 0.050 | 0.048 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | T04SN1 | T04SN1 | T04SN2 | T04SN2 | T04SN3 | T04SN3 | | | | | | |
| B | T04SS11 | T04SS11 | T04SS12 | T04SS12 | T04SS13 | T04SS13 | | | | | | |
| C | T04SS21 | T04SS21 | T04SS22 | T04SS22 | T04SS23 | T04SS23 | | | | | | |
| D | | | | | | | | | | | T04SN4 | T04SN4 |
| E | | | | | | | | | | | T04SS14 | T04SS14 |
| F | | | | | | | | | | | T04SS24 | T04SS24 |
| G | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

dil.4*dil2,75=dil.11
 dil4*dil.8*dil.2,75=dil.88 oder nur von urspruengl. Dil 4 auf dil 8 erhoeht??? dann dil 22

Comment:
 Erste 4 Reihen immer Testmessung zur Evaluierung der benötigten Verdünnung. Wird nicht mit ausgewertet. Unverdünte Messungen außerhalb der Linearität werden ebenfalls nicht ausgewertet. Dil.Faktor unverdünnte samples=2,75 (100µl sample+100µlRM+75µl stop sol.) Verdünnung Dil.8 Dil8*Dil2,75=Dil.22, Rot= 2* verdünnt, Dil4 und Dil 8, also Dil 2,75*Dil8*Dil3=Dil66

Samples aufgeteilt in lin high und low;niedriger konzentrierte Samples bei lin low zu finden.

Date Operator Date Control

| | | | | | | | | |
|--------------|----|-----|-------|--------|--------------|---------|------|---------|
| 0 | T0 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS14 | T0 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS14 | T0 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T04SS24 | T0 | F11 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 11 | #VALUE! |
| T04SS24 | T0 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T0 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T0 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T0 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T0 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T0 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T0 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T0 | G07 | 0.056 | 0.005 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0 | G08 | 0.233 | 0.182 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0 | G09 | 0.207 | 0.156 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0 | G10 | 0.213 | 0.162 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0 | G11 | 0.063 | 0.012 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0 | G12 | 0.053 | 0.002 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T0 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T0 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T0 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T0 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T0 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T0 | H07 | 0.052 | 0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0 | H08 | 0.050 | -0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0 | H09 | 0.112 | 0.061 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0 | H10 | 0.060 | 0.009 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0 | H11 | 0.050 | -0.001 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0 | H12 | 0.048 | -0.003 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|-------|----|-----|-------|-------|--------------|---------|-------|---------|
| 0 | T1 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1SN2 | T1 | D07 | 1.016 | 0.965 | 0.965 | 0.048 | 24.75 | 1.196 |
| T1SN2 | T1 | D08 | 1.042 | 0.991 | 0.991 | 0.053 | 24.75 | 1.302 |
| 0 | T1 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T1

| | | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | 1.016 | 1.042 | | | | |
| E | | | | | 0.964 | 1.027 | | | | | | | |
| F | | | | | 0.965 | 1.043 | 1.423 | 1.549 | | | | | |
| G | | | | | | | | 0.065 | 0.053 | 0.052 | 0.056 | 0.050 | 0.055 |
| H | | | | | | | | 0.051 | 0.051 | 0.051 | 0.052 | 0.052 | 0.051 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | T1SS11 | T1SS11 | T1SN2 | T1SN2 | | | | |
| F | | | | | T1SS21 | T1SS21 | T1SS22 | T1SS22 | | | | |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

dil. 5*dil. 2,75=dil. 13,75
dil. 9*dil. 2,75=dil. 24,75
dil. 9*dil. 4*dil. 2,75=dil. 99
dil. 9*dil. 9*dil. 2,75=dil. 222,75

Comment:

Date Operator Date Control

| | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|-------|---------|
| 0 | T1 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1SS11 | T1 | E05 | 0.964 | 0.913 | 0.913 | 0.040 | 13.75 | 0.546 |
| T1SS11 | T1 | E06 | 1.027 | 0.976 | 0.976 | 0.050 | 13.75 | 0.688 |
| 0 | T1 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1SS21 | T1 | F05 | 0.965 | 0.914 | 0.914 | 0.040 | 24.75 | 0.986 |
| T1SS21 | T1 | F06 | 1.043 | 0.992 | 0.992 | 0.053 | 24.75 | 1.306 |
| T1SS22 | T1 | F07 | 1.423 | 1.372 | 1.372 | 0.116 | 24.75 | 2.859 |
| T1SS22 | T1 | F08 | 1.549 | 1.498 | 1.498 | 0.136 | 24.75 | 3.375 |
| 0 | T1 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T1 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T1 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T1 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T1 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T1 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T1 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T1 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T1 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T1 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T1 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T2 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T2

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | 1.460 | 1.257 | 1.233 | 1.375 |
| E | | | | | | | | | | | 1.554 | 1.513 |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.056 | 0.055 | 0.055 | 0.055 | 0.056 | 0.063 |
| H | | | | | 2.569 | 2.528 | 0.052 | 0.053 | 0.053 | 0.053 | 0.052 | 0.052 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|-------|-------|-------|-------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | T2SN3 | T2SN3 | T2SN4 | T2SN4 |

| | | | | | | | | |
|--------|----|-----|---|---|--------------|---------|---|---------|
| 0 | T3 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SN2 | T3 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SN2 | T3 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SN3 | T3 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SN3 | T3 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SN4 | T3 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SN4 | T3 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS11 | T3 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS11 | T3 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS12 | T3 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS12 | T3 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS13 | T3 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T3

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.052 | 0.048 | 1.557 | 1.542 | 0.945 | 1.229 |
| H | | | | | | | 0.051 | 0.060 | 0.059 | 0.054 | 0.055 | 0.055 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | T3SS11 | T3SS11 | T3SS12 | T3SS12 | T3SS13 | T3SS13 | T3SS14 | T3SS14 |
| F | | | | | T3SS21 | T3SS21 | T3SS22 | T3SS22 | T3SS23 | T3SS23 | T3SS24 | T3SS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date Operator Date Control

| | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|------|---------|
| T3SS13 | T3 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS14 | T3 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS14 | T3 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS21 | T3 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS21 | T3 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS22 | T3 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS22 | T3 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3SS23 | T3 | F09 | 1.557 | 1.506 | 1.506 | 0.138 | 2.75 | 0.378 |
| T3SS23 | T3 | F10 | 1.542 | 1.491 | 1.491 | 0.135 | 2.75 | 0.372 |
| T3SS24 | T3 | F11 | 0.945 | 0.894 | 0.894 | 0.037 | 2.75 | 0.100 |
| T3SS24 | T3 | F12 | 1.229 | 1.178 | 1.178 | 0.083 | 2.75 | 0.229 |
| 0 | T3 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T3 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T3 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T3 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T3 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T3 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T3 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.447 | 1.739 | | 1.170 | | | | | | 0.667 | 0.440 | 0.043 |
| 1.447 | 1.332 | | 1.392 | 0.137 | 0.146 | 0.130 | 0.138 | 0.109 | 0.729 | 0.478 | 0.042 |
| 1.391 | 1.281 | | 1.311 | 0.204 | 0.184 | 0.184 | 0.198 | 0.201 | 0.743 | 0.474 | 0.043 |
| 0.961 | 0.835 | | 1.405 | 0.336 | 0.347 | 0.375 | 0.387 | 0.300 | 0.824 | 0.483 | 0.044 |
| 0.445 | 0.441 | | 1.280 | 1.085 | 1.086 | 1.218 | 1.004 | 0.873 | 0.704 | 0.457 | 0.041 |
| 0.355 | 0.315 | | 1.332 | 1.768 | 1.925 | 1.753 | 1.739 | 1.606 | | | 0.036 |
| 0.223 | 0.188 | 1.666 | 1.499 | 1.632 | | 0.048 | 0.046 | 0.047 | 0.048 | 0.048 | 0.048 |
| 0.118 | 0.106 | 1.556 | 1.622 | 1.573 | | 0.047 | 0.054 | 0.051 | 0.051 | 0.052 | 0.051 |

1

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.652 | 1.627 | | 1.188 | 0.748 | 0.811 | 0.764 | 0.753 | 0.674 | 0.751 | 0.529 | 0.044 |
| 1.443 | 1.372 | | 1.364 | 0.139 | 0.147 | 0.131 | 0.139 | 0.110 | 0.811 | 0.561 | 0.043 |
| 1.377 | 1.281 | | 1.284 | 0.206 | 0.189 | 0.184 | 0.200 | 0.202 | 0.821 | 0.560 | 0.044 |
| 0.972 | 0.883 | | 1.387 | 0.339 | 0.349 | 0.386 | 0.406 | 0.312 | 0.903 | 0.565 | 0.044 |
| 0.484 | 0.474 | | 1.298 | 1.087 | 1.113 | 1.203 | 1.022 | 0.903 | 0.790 | 0.544 | 0.042 |
| 0.359 | 0.326 | | 1.308 | 1.622 | 1.622 | 1.630 | 1.625 | 1.550 | | | 0.037 |
| 0.228 | 0.199 | 1.527 | 1.373 | 1.462 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.109 | 1.473 | 1.410 | 1.371 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

2

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.579 | 1.475 | | 1.150 | 1.210 | 1.303 | 1.202 | 1.219 | 1.125 | 0.759 | 0.549 | 0.043 |
| 1.357 | 1.303 | | 1.283 | 0.140 | 0.148 | 0.131 | 0.139 | 0.111 | 0.820 | 0.575 | 0.043 |
| 1.323 | 1.228 | | 1.227 | 0.206 | 0.188 | 0.184 | 0.198 | 0.201 | 0.824 | 0.579 | 0.043 |
| 0.959 | 0.872 | | 1.321 | 0.339 | 0.348 | 0.387 | 0.406 | 0.314 | 0.909 | 0.580 | 0.044 |
| 0.483 | 0.473 | | 1.270 | 1.069 | 1.103 | 1.181 | 1.017 | 0.903 | 0.798 | 0.560 | 0.042 |
| 0.360 | 0.326 | | 1.270 | 1.497 | 1.448 | 1.496 | 1.494 | 1.449 | | | 0.037 |
| 0.228 | 0.199 | 1.374 | 1.262 | 1.314 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.346 | 1.262 | 1.253 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

3

| | | | | | | | | | | | |
|-------|-------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.511 | 1.369 | | | 1.538 | 1.712 | 1.528 | 1.502 | 1.425 | | | 0.043 |
| 1.296 | 1.261 | | | | | | | | | | 0.043 |
| 1.272 | 1.193 | | | | | | | | | | 0.043 |
| 0.947 | 0.859 | | | | | | | | | | 0.044 |
| 0.481 | 0.471 | | | | | | | | | | 0.042 |
| 0.361 | 0.325 | | | | | | | | | | 0.037 |
| 0.229 | 0.199 | | | | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.047 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

4

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.493 | 1.317 | 1.678 | 1.110 | 1.621 | 1.807 | 1.618 | 1.584 | 1.508 | 0.765 | 0.597 | 0.043 |
| 1.259 | 1.238 | 1.850 | 1.197 | 0.139 | 0.150 | 0.132 | 0.139 | 0.111 | 0.821 | 0.588 | 0.043 |
| 1.248 | 1.175 | 1.816 | 1.153 | 0.204 | 0.188 | 0.184 | 0.197 | 0.199 | 0.831 | 0.599 | 0.044 |
| 0.943 | 0.859 | 1.970 | 1.231 | 0.338 | 0.357 | 0.386 | 0.406 | 0.316 | 0.916 | 0.595 | 0.044 |
| 0.480 | 0.470 | 2.220 | 1.220 | 1.054 | 1.088 | 1.154 | 1.006 | 0.902 | 0.805 | 0.579 | 0.042 |
| 0.359 | 0.325 | 2.149 | 1.211 | 1.395 | 1.324 | 1.348 | 1.345 | 1.317 | 0.037 | 0.037 | 0.037 |
| 0.228 | 0.199 | 1.240 | 1.151 | 1.183 | 0.034 | 0.049 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.223 | 1.132 | 1.146 | 0.038 | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

5

| | | | | | | | | | | | |
|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.434 | 1.258 | | 1.090 | 1.648 | 1.876 | 1.649 | 1.627 | 1.535 | | | |
| 1.217 | 1.201 | | 1.149 | | | | | | | | |
| 1.205 | 1.143 | | 1.109 | | | | | | | | |
| 0.935 | 0.845 | | 1.182 | | | | | | | | |
| 0.477 | 0.469 | | 1.181 | | | | | | | | |
| 0.360 | 0.323 | | 1.167 | | | | | | | | |
| 0.229 | 0.200 | | | | | 0.049 | 0.047 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

6

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.013 | 0.810 | | 0.668 | 0.808 | 0.940 | 0.720 | 0.798 | 0.687 | 0.904 | 0.845 | 0.043 |
| 0.709 | 0.827 | | 0.703 | 0.142 | 0.156 | 0.136 | 0.137 | 0.116 | 0.990 | 0.846 | 0.042 |
| 0.682 | 0.692 | | 0.680 | 0.197 | 0.188 | 0.190 | 0.191 | 0.184 | 1.023 | 0.861 | 0.043 |
| 0.507 | 0.519 | | 0.740 | 0.316 | 0.264 | 0.364 | 0.377 | 0.312 | 1.111 | 0.870 | 0.043 |
| 0.394 | 0.406 | | 0.682 | 0.580 | 0.561 | 0.600 | 0.529 | 0.563 | 0.962 | 0.834 | 0.042 |
| 0.333 | 0.322 | | 0.661 | 0.995 | 0.930 | 0.848 | 0.832 | 0.797 | 0.037 | 0.037 | 0.037 |
| 0.229 | 0.201 | 0.843 | 0.679 | 0.732 | | 0.048 | 0.046 | 0.047 | | | 0.047 |
| 0.124 | 0.111 | 0.773 | 0.682 | 0.701 | | 0.047 | 0.053 | 0.051 | 0.051 | 0.052 | 0.051 |

7

Skin cultivation

| | | | | | | | | | | | | |
|-------|-------|-------|-------|--|--|--|--|--|--|--|--|--------------|
| 1.459 | 1.152 | 1.423 | 0.357 | | | | | | | | | TO 1 hum sui |
|-------|-------|-------|-------|--|--|--|--|--|--|--|--|--------------|

| | | | | | |
|--------------------|--------------|------------------------------|----------------------------|------------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (instrument method) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | File name (results) | IsBa_180419/20_LDH_full_v2 | Date of measurement | 19-04-18 |
| | name | Kind of well plate | 96 well | shaking time [min] | 30 |
| cold substance | ACB-ID | sample volume [µL] | 100 | stirring rate (Target) [rpm] | 150 |
| | Batch number | Cocktail volume [µL] | 175 | Kind of measurement | UV-vis |
| | name | ACB-ID of cocktail | | Wave length [nm] | 450 |
| | ACB-ID | Matrix | DMEM (from powder)+PEG | Remarks | Cocktail 100µl RM, 75µl STOP |
| | Batch number | Blank description | DMEM/PEG, H2O | Remarks | 7 standards split low/high |
| n.a. | n.a. | Pipettes (No. / volume) | 50-200µl | Remarks | KLP4 common for both |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|-------|-------|---------|---|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | | | | | | | 0.047 | | | | |
| KLP2 | | | | | | | 0.054 | | | | |
| KLP3 | | | | | | | 0.051 | | | | |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.938 | 0.04 | 4.19 | 0.051 | 0.887 | 0.041 | -0.57 |
| KLP5 | 0.018 | 0.483 | 0.484 | 0.474 | 0.480 | 0.00 | 0.98 | 0.052 | 0.429 | 0.019 | 2.42 |
| KLP6 | 0.012 | 0.360 | 0.359 | 0.326 | 0.348 | 0.02 | 4.54 | 0.051 | 0.297 | 0.013 | 5.00 |
| KLP7 | 0.007 | 0.228 | 0.228 | 0.199 | 0.218 | 0.014 | 6.35 | | 0.168 | 0.006 | -11.29 |
| KLP8 | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|--------------|
| Geradensteigung | Slope | m | 21.03 |
| Y-Achsenabschnitt | Y-Intercept | b | 0.03 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.648055501 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.015177452 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.000664046 |
| Bereichsmittle | | | 0.019557193 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 23.81763508 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 18.24046944 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.099335829 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | -0.031281327 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9991 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9981 |
| Reststandardabweichung | | S ₀ | 0.01669983 |
| Summe Restquadrate | | sd | 0.657385838 |
| Verfahrensstandardabw. | | S ₀₀ | 0.000794131 |
| Rel. Verfahrensstandardabw. % | | V ₀₀ | 4.060559029 |

Berichten

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0.01 |
| x ² SD (LOD) | 0.01 |
| LLOQ (AU) | 0.061 |
| LOD (AU) | 0.067 |
| ULOQ | 0.887 |
| LLOQ (Lin) | 0.168 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date Operator Date Operator Control

Figure 1 Linearity

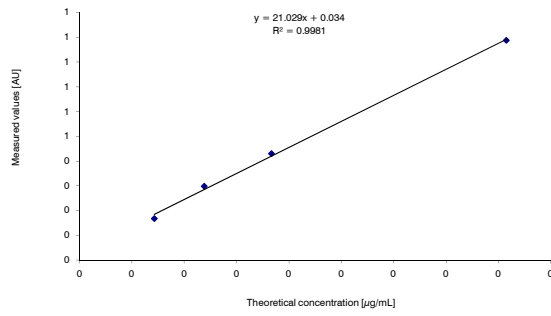
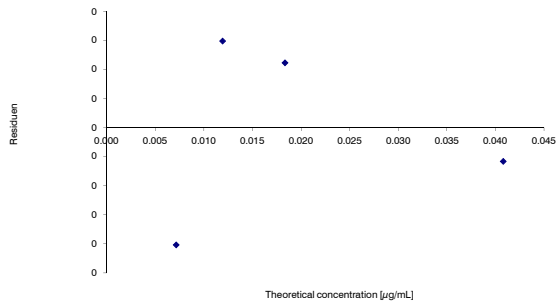


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T4 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SN2 | T4 | D07 | 0.427 | 0.376 | 0.376 | 0.016 | 11 | 0.179 |
| T4SN2 | T4 | D08 | 0.827 | 0.776 | 0.776 | 0.035 | 11 | 0.388 |
| T4SN3 | T4 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SN3 | T4 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SN4 | T4 | D11 | 0.745 | 0.694 | 0.694 | 0.031 | 2.75 | 0.086 |
| T4SN4 | T4 | D12 | 0.741 | 0.690 | 0.690 | 0.031 | 2.75 | 0.086 |

Plate: T4

| Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test |
|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | 0.307 | 0.302 | 0.444 | 0.439 | | | | |
| F | | | | | 0.286 | 0.293 | 0.642 | 0.631 | 0.377 | 0.392 | 0.431 | 0.437 |
| G | | | 0.331 | 0.350 | | | 0.052 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |
| H | | | | | | | 0.050 | 0.050 | 0.053 | 0.050 | 0.051 | 0.050 |

| Plattenbelegung | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------------|---|---|-------|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-----------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | T4SN2 | T4SN2 | T4SN3 | T4SN3 | T4SN4 | T4SN4 | |
| F | | | | | T4SS11 | T4SS11 | T4SS12 | T4SS12 | T4SS13 | T4SS13 | T4SS14 | T4SS14 |
| G | | | | | T4SS21 | T4SS21 | T4SS22 | T4SS22 | T4SS23 | T4SS23 | T4SS24 | T4SS24 |
| H | | | T4SN3 | T4SN3 | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |

Samples aufgeteilt in lin high und low.höher konzentrierte Samples bei lin high zu finden.

dil4*dil2,75=dil11
dil.9*2,75=dil24,75

Comment:

Erste 4 Reihen immer Testmessung zur Evaluierung der benötigten Verdünnung. Wird nicht mit ausgewertet. Unverdünte Messungen außerhalb der Linearität werden ebenfalls nicht ausgewertet. Dil.Faktor unverdünte samples=2,75 (100µl sample+100µlRM+75µl stop sol.) Verdünnung (gelb) Dil.8 Dil.8 Dil.2,75=Dil.22

Date Operator

Date Control

| | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|-------|---------|
| 0 | T4 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS11 | T4 | E05 | 0.307 | 0.256 | 0.256 | 0.011 | 24.75 | 0.261 |
| T4SS11 | T4 | E06 | 0.302 | 0.251 | 0.251 | 0.010 | 24.75 | 0.256 |
| T4SS12 | T4 | E07 | 0.444 | 0.393 | 0.393 | 0.017 | 11 | 0.188 |
| T4SS12 | T4 | E08 | 0.439 | 0.388 | 0.388 | 0.017 | 11 | 0.185 |
| T4SS13 | T4 | E09 | 0.274 | 0.223 | 0.223 | 0.009 | 24.75 | 0.222 |
| T4SS13 | T4 | E10 | 0.233 | 0.182 | 0.182 | 0.007 | 24.75 | 0.174 |
| T4SS14 | T4 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS14 | T4 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS21 | T4 | F05 | 0.286 | 0.235 | 0.235 | 0.010 | 24.75 | 0.237 |
| T4SS21 | T4 | F06 | 0.293 | 0.242 | 0.242 | 0.010 | 24.75 | 0.245 |
| T4SS22 | T4 | F07 | 0.642 | 0.591 | 0.591 | 0.027 | 11 | 0.292 |
| T4SS22 | T4 | F08 | 0.631 | 0.580 | 0.580 | 0.026 | 11 | 0.286 |
| T4SS23 | T4 | F09 | 0.377 | 0.326 | 0.326 | 0.014 | 11 | 0.153 |
| T4SS23 | T4 | F10 | 0.392 | 0.341 | 0.341 | 0.015 | 11 | 0.160 |
| T4SS24 | T4 | F11 | 0.431 | 0.380 | 0.380 | 0.016 | 11 | 0.181 |
| T4SS24 | T4 | F12 | 0.437 | 0.386 | 0.386 | 0.017 | 11 | 0.184 |
| 0 | T4 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SN3 | T4 | G03 | 0.331 | 0.281 | 0.281 | 0.012 | 11 | 0.129 |
| T4SN3 | T4 | G04 | 0.350 | 0.299 | 0.299 | 0.013 | 11 | 0.139 |
| 0 | T4 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T4 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T4 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T4 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|-------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T5 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SN2 | T5 | D07 | 0.790 | 0.739 | 0.739 | 0.034 | 8.25 | 0.276 |
| T5SN2 | T5 | D08 | 0.621 | 0.570 | 0.570 | 0.025 | 8.25 | 0.210 |
| T5SN3 | T5 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SN3 | T5 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SN4 | T5 | D11 | 0 | 0.449 | 0.449 | 0.020 | 2.75 | 0.054 |
| T5SN4 | T5 | D12 | 1 | 0.466 | 0.466 | 0.021 | 2.75 | 0.056 |

Plate: T5

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | 0.790 | 0.621 | | | 0.500 | 0.517 |
| E | | | | | 0.528 | 0.542 | 0.908 | 0.926 | 0.448 | 0.444 | 0.768 | 0.790 |
| F | | | | | 0.841 | 0.840 | 0.606 | 0.597 | 0.712 | 0.741 | 0.916 | 0.915 |
| G | | | | | | | 0.053 | 0.053 | 0.054 | 0.053 | 0.053 | 0.052 |
| H | | | | | | | 0.101 | 0.056 | 0.052 | 0.050 | 0.054 | 0.053 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | T5SN2 | T5SN2 | T5SN3 | T5SN3 | T5SN4 | T5SN4 | |
| E | | | | | T5SS11 | T5SS11 | T5SS12 | T5SS12 | T5SS13 | T5SS13 | T5SS14 | T5SS14 |
| F | | | | | T5SS21 | T5SS21 | T5SS22 | T5SS22 | T5SS23 | T5SS23 | T5SS24 | T5SS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

diI3*diI2,75=diI8,25

Comment:

Date Operator

Date Control

| | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T5 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS11 | T5 | E05 | 0.528 | 0.477 | 0.477 | 0.021 | 2.75 | 0.058 |
| T5SS11 | T5 | E06 | 0.542 | 0.491 | 0.491 | 0.022 | 2.75 | 0.060 |
| T5SS12 | T5 | E07 | 0.908 | 0.857 | 0.857 | 0.039 | 2.75 | 0.108 |
| T5SS12 | T5 | E08 | 0.928 | 0.875 | 0.875 | 0.040 | 2.75 | 0.110 |
| T5SS13 | T5 | E09 | 0.448 | 0.397 | 0.397 | 0.017 | 2.75 | 0.048 |
| T5SS13 | T5 | E10 | 0.444 | 0.393 | 0.393 | 0.017 | 2.75 | 0.047 |
| T5SS14 | T5 | E11 | 0.768 | 0.717 | 0.717 | 0.032 | 2.75 | 0.089 |
| T5SS14 | T5 | E12 | 0.780 | 0.729 | 0.729 | 0.033 | 2.75 | 0.091 |
| 0 | T5 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS21 | T5 | F05 | 0.841 | 0.790 | 0.790 | 0.036 | 2.75 | 0.099 |
| T5SS21 | T5 | F06 | 0.840 | 0.789 | 0.789 | 0.036 | 2.75 | 0.099 |
| T5SS22 | T5 | F07 | 0.606 | 0.555 | 0.555 | 0.025 | 2.75 | 0.068 |
| T5SS22 | T5 | F08 | 0.597 | 0.546 | 0.546 | 0.024 | 2.75 | 0.067 |
| T5SS23 | T5 | F09 | 0.712 | 0.661 | 0.661 | 0.030 | 2.75 | 0.082 |
| T5SS23 | T5 | F10 | 0.741 | 0.690 | 0.690 | 0.031 | 2.75 | 0.086 |
| T5SS24 | T5 | F11 | 0.916 | 0.865 | 0.865 | 0.040 | 2.75 | 0.109 |
| T5SS24 | T5 | F12 | 0.915 | 0.864 | 0.864 | 0.039 | 2.75 | 0.109 |
| 0 | T5 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T5 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T5 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T5 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T6 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T6

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | 0.607 | 0.625 | 0.409 | 0.413 |
| E | | | | | 0.341 | 0.356 | 0.341 | 0.349 | 0.231 | 0.239 | 0.257 | 0.254 |
| F | | | | | 0.251 | 0.260 | 0.283 | 0.286 | 0.421 | 0.436 | 0.559 | 0.563 |
| G | | | | | | | 0.051 | 0.050 | 0.050 | 0.052 | 0.051 | 0.051 |
| H | | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.049 | 0.049 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|--------|--------|--------|--------|--------|--------|--------|--------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | T6SN1 | T6SN1 | T6SN2 | T6SN2 | T6SN3 | T6SN3 | T6SN4 | T6SN4 |
| E | | | | | T6SS11 | T6SS11 | T6SS12 | T6SS12 | T6SS13 | T6SS13 | T6SS14 | T6SS14 |

| | | | | | | | | |
|-----------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T7 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SN2 | T7 | D07 | 0.494 | 0.443 | 0.443 | 0.019 | 2.75 | 0.054 |
| T7SN2 | T7 | D08 | 0.470 | 0.419 | 0.419 | 0.018 | 2.75 | 0.050 |
| T7SN3 | T7 | D09 | 0.771 | 0.720 | 0.720 | 0.033 | 2.75 | 0.090 |
| T7SN3 | T7 | D10 | 0.761 | 0.710 | 0.710 | 0.032 | 2.75 | 0.088 |
| T7SN4 | T7 | D11 | 0.487 | 0.436 | 0.436 | 0.019 | 2.75 | 0.053 |
| T7SN4 | T7 | D12 | 0.504 | 0.453 | 0.453 | 0.020 | 2.75 | 0.055 |
| 0 | T7 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS11 | T7 | E05 | 0.355 | 0.304 | 0.304 | 0.013 | 2.75 | 0.035 |
| T7SS11 | T7 | E06 | 0.359 | 0.308 | 0.308 | 0.013 | 2.75 | 0.036 |
| T7SS12 | T7 | E07 | 0.315 | 0.264 | 0.264 | 0.011 | 2.75 | 0.030 |
| T7SS12 | T7 | E08 | 0.311 | 0.260 | 0.260 | 0.011 | 2.75 | 0.030 |
| T7SS13 | T7 | E09 | 0.190 | 0.139 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T7SS13 | T7 | E10 | 0.179 | 0.128 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T7SS14 | T7 | E11 | 0.241 | 0.190 | 0.190 | 0.007 | 2.75 | 0.020 |
| T7SS14 | T7 | E12 | 0.243 | 0.192 | 0.192 | 0.008 | 2.75 | 0.021 |
| 0 | T7 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS21 | T7 | F05 | 0.246 | 0.195 | 0.195 | 0.008 | 2.75 | 0.021 |
| T7SS21 | T7 | F06 | 0.258 | 0.207 | 0.207 | 0.008 | 2.75 | 0.023 |
| T7SS22 | T7 | F07 | 0.225 | 0.174 | 0.174 | 0.007 | 2.75 | 0.018 |
| T7SS22 | T7 | F08 | 0.260 | 0.210 | 0.210 | 0.008 | 2.75 | 0.023 |
| T7SS23 | T7 | F09 | 0.351 | 0.300 | 0.300 | 0.013 | 2.75 | 0.035 |
| T7SS23 | T7 | F10 | 0.350 | 0.299 | 0.299 | 0.013 | 2.75 | 0.035 |
| T7SS24 | T7 | F11 | 0.431 | 0.380 | 0.380 | 0.016 | 2.75 | 0.045 |
| T7SS24 | T7 | F12 | 0.444 | 0.393 | 0.393 | 0.017 | 2.75 | 0.047 |
| 0 | T7 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T7 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

Plate: T7

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | 0.494 | 0.470 | 0.771 | 0.761 | 0.487 | 0.504 |
| E | | | | | 0.355 | 0.359 | 0.315 | 0.311 | 0.190 | 0.179 | 0.241 | 0.243 |
| F | | | | | 0.246 | 0.258 | 0.225 | 0.260 | 0.351 | 0.350 | 0.431 | 0.444 |
| G | | | | | | | 0.051 | 0.051 | 0.051 | 0.053 | 0.052 | 0.051 |
| H | | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | T7SN2 | T7SN2 | T7SN3 | T7SN3 | T7SN4 | T7SN4 |
| E | | | | | T7SS11 | T7SS11 | T7SS12 | T7SS12 | T7SS13 | T7SS13 | T7SS14 | T7SS14 |
| F | | | | | T7SS21 | T7SS21 | T7SS22 | T7SS22 | T7SS23 | T7SS23 | T7SS24 | T7SS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date Operator Date Control

| | | | | | | | | |
|--------------|----|-----|---|---|--------------|---------|------|---------|
| Blank PEG | T7 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T7 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T7 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T7 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T7 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | |
|--------------------|--------------|----------------------------|-------------------------|-------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (Instrument meth) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| cold substance | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| n.a. | name | LDH | ACB-ID of cocktail | | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PE | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| | | | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|------|------|---------|-----------------------|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | Blank subtraction | [µg/mL] | [%] | |
| KLP1 | 0.148 | 1.579 | 1.652 | 1.627 | 1.62 | 0.03 | 1.87 | 0.047 | 1.568 | 0.148 | -0.24 | 0.00 |
| KLP2 | 0.114 | 1.357 | 1.443 | 1.372 | 1.39 | 0.04 | 2.70 | 0.054 | 1.340 | 0.110 | -3.40 | 0.00 |
| KLP3 | 0.074 | 1.272 | 1.193 | 1.228 | 1.23 | 0.03 | 2.63 | 0.051 | 1.180 | 0.084 | 13.04 | 0.01 |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.94 | 0.04 | 4.19 | 0.051 | 0.887 | 0.035 | -13.32 | -0.01 |
| KLP5 | | | | | | | | 0.052 | | | | |
| KLP6 | | | | | | | | 0.051 | | | | |
| KLP7 | | | | | | | | | | | | |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|-------------|
| Geradensteigung | Slope | m | 6.05 |
| Y-Achsenabschnitt | Y-intercept | b | 0.67 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.620291227 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.063894294 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.006578604 |
| Bereichsmittle | | f | 0.094336926 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 8.722319627 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 3.384093228 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.946914615 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | 0.398761518 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9897 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9794 |
| Reststandardabweichung | | S ₀ | 0.050310948 |
| Summe Restquadrat | | sd | 2.895683345 |
| Verfahrensstandardabw. | | S _{0p} | 0.008311454 |
| Rel. Verfahrensstandardabw. % | | V _{0p} | 8.810393374 |

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0 |
| x ² SD (LOD) | 0 |
| LLOQ (AU) | 0 |
| LOD (AU) | 0 |
| LLOQ | 1.568 |
| LLOQ (Lin) | 0.887 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date

Operator

Date

Control

Figure 1 Linearity

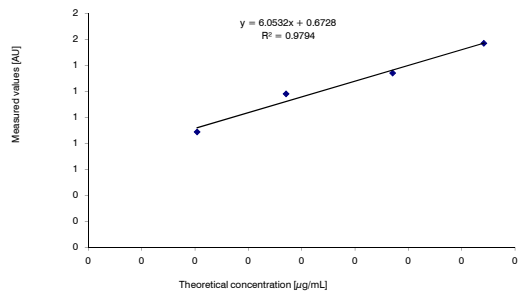
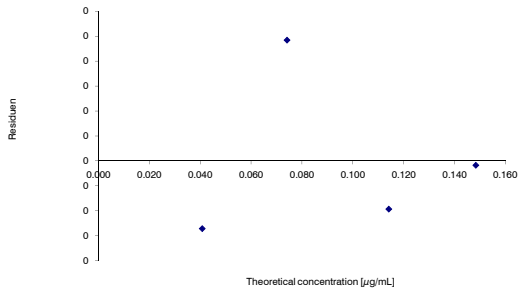


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T4 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SN2 | T4 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SN2 | T4 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SN3 | T4 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SN3 | T4 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SN4 | T4 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SN4 | T4 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

| | | | | | | | | | | | | |
|-----------|---|---|---|---|---|---|---|-------|-------|-------|-------|-------|
| Plate: T4 | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | 1.258 | 1.343 |
| F | | | | | | | | | | | | |
| G | | | | | | | | 0.052 | 0.054 | 0.052 | 0.052 | 0.052 |
| H | | | | | | | | 0.050 | 0.050 | 0.053 | 0.050 | 0.051 |

| | | | | | | | | | | | | |
|-----------------|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| Plattenbelegung | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | T4SN2 | T4SN2 | T4SN3 | T4SN3 | T4SN4 | T4SN4 |
| E | | | | | T4SS11 | T4SS11 | T4SS12 | T4SS12 | T4SS13 | T4SS13 | T4SS14 | T4SS14 |
| F | | | | | T4SS21 | T4SS21 | T4SS22 | T4SS22 | T4SS23 | T4SS23 | T4SS24 | T4SS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:
Erste 4 Reihen immer Testmessung zur Evaluierung der benötigten Verdünnung. Wird nicht mit ausgewertet. Unverdünte Messungen außerhalb der Linearität werden ebenfalls nicht ausgewertet. Dil.Faktor unverdünte samples=2,75 (100µl sample+100µlRM+75µl stop sol.) Verdünnung Dil.8 Dil8*Dil2,75=Dil.22. Rot= 2* verdünnt, Dil4 und Dil 8, also Dil 2,75*Dil8*Dil4=Dil88

Samples aufgeteilt in lin high und low;niedriger konzentrierte Samples bei lin low zu finden.

Date Operator _____ Date Control _____

| | | | | | | | | |
|--------------|----|-----|-----|-----|--------------|---------|------|---------|
| 0 | T4 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS11 | T4 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS11 | T4 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS12 | T4 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS12 | T4 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS13 | T4 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS13 | T4 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS14 | T4 | E11 | 1.3 | 1.2 | 1.2 | 0.1 | 2.75 | 0.243 |
| T4SS14 | T4 | E12 | 1.3 | 1.3 | 1.3 | 0.1 | 2.75 | 0.281 |
| 0 | T4 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS21 | T4 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS21 | T4 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS22 | T4 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS22 | T4 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS23 | T4 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS23 | T4 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS24 | T4 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4SS24 | T4 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T4 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T4 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T4 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T4 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T4 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|-------|----|-----|-------|--------------|---------|-------|---------|-------|
| 0 | T5 | A01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | A02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | A03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | A04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | A05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | A06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | A07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | A08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | A09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | A10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | A11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | A12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | B01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | B02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | B03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | B04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | B05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | B06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | B07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | B08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | B09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | B10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | B11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | B12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | C01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | C02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | C03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | C04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | C05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | C06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | C07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | C08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | C09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | C10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | C11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | C12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | D01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | D02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | D03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | D04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | D05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | D06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | T5 | D07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| T5SN2 | T5 | D08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| T5SN3 | T5 | D09 | 1.131 | 1.080 | 1.080 | 0.067 | 2.75 | 0.185 |
| T5SN3 | T5 | D10 | 1.140 | 1.089 | 1.089 | 0.069 | 2.75 | 0.189 |
| T5SN4 | T5 | D11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| T5SN4 | T5 | D12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |

Plate: T5

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | | 1.131 | 1.140 | | | |
| E | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | |
| G | | | | | | | | 0.053 | 0.053 | 0.054 | 0.053 | 0.053 | 0.052 |
| H | | | | | | | | 0.101 | 0.056 | 0.052 | 0.050 | 0.054 | 0.053 |

Plattenbelegung

| | | | | | | | | | | | | | |
|---|---|---|---|---|--------|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | T5SN2 | T5SN2 | T5SN3 | T5SN3 | T5SN4 | T5SN4 |
| E | | | | | T5SS11 | T5SS11 | T5SS12 | T5SS12 | T5SS13 | T5SS13 | T5SS14 | T5SS14 | |
| F | | | | | T5SS21 | T5SS21 | T5SS22 | T5SS22 | T5SS23 | T5SS23 | T5SS24 | T5SS24 | |
| G | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date Operator Date Control

| | | | | | | | | |
|--------------|----|-----|---|---|--------------|---------|------|---------|
| 0 | T5 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS11 | T5 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS11 | T5 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS12 | T5 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS12 | T5 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS13 | T5 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS13 | T5 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS14 | T5 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS14 | T5 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS21 | T5 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS21 | T5 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS22 | T5 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS22 | T5 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS23 | T5 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS23 | T5 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS24 | T5 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5SS24 | T5 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T5 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T5 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T5 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T5 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T5 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T5 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T6 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T6

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | 1.027 | 1.026 | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.051 | 0.050 | 0.050 | 0.052 | 0.051 | 0.051 |
| H | | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.049 | 0.049 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|--------|--------|--------|--------|--------|--------|--------|--------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | T6SN1 | T6SN1 | T6SN2 | T6SN2 | T6SN3 | T6SN3 | T6SN4 | T6SN4 |
| E | | | | | T6SS11 | T6SS11 | T6SS12 | T6SS12 | T6SS13 | T6SS13 | T6SS14 | T6SS14 |

| | | | | | | | | |
|--------|----|-----|---|---|--------------|---------|---|---------|
| 0 | T7 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SN2 | T7 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SN2 | T7 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SN3 | T7 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SN3 | T7 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SN4 | T7 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SN4 | T7 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS11 | T7 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS11 | T7 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS12 | T7 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS12 | T7 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS13 | T7 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T7

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|---|---|---|---|---|---|---|---|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | |
| G | | | | | | | | 0.051 | 0.051 | 0.051 | 0.053 | 0.052 | 0.051 |
| H | | | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|---|---|---|---|---|--------|--------|--------|-----------|-----------|-----------|-----------|-----------|-----------|
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| F | | | | | T7SS11 | T7SS11 | T7SS12 | T7SS12 | T7SS13 | T7SS13 | T7SS14 | T7SS14 | |
| G | | | | | | | | | | | | | |
| H | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |

Comment:

alle Messwerte bei lin low

Date Operator

Date Control

| | | | | | | | | |
|--------------|----|-----|---|---|--------------|---------|---|---------|
| T7SS13 | T7 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS14 | T7 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS14 | T7 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS21 | T7 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS21 | T7 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS22 | T7 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS22 | T7 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS23 | T7 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS23 | T7 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS24 | T7 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7SS24 | T7 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T7 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T7 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T7 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T7 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T7 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T7 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T7 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T7 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T7 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T7 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T7 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T7 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T7 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.447 | 1.739 | | 1.170 | | | | | | 0.667 | 0.440 | 0.043 |
| 1.447 | 1.332 | | 1.392 | 0.137 | 0.146 | 0.130 | 0.138 | 0.109 | 0.729 | 0.478 | 0.042 |
| 1.391 | 1.281 | | 1.311 | 0.204 | 0.184 | 0.184 | 0.198 | 0.201 | 0.743 | 0.474 | 0.043 |
| 0.961 | 0.835 | | 1.405 | 0.336 | 0.347 | 0.375 | 0.387 | 0.300 | 0.824 | 0.483 | 0.044 |
| 0.445 | 0.441 | | 1.280 | 1.085 | 1.086 | 1.218 | 1.004 | 0.873 | 0.704 | 0.457 | 0.041 |
| 0.355 | 0.315 | | 1.332 | 1.768 | 1.925 | 1.753 | 1.739 | 1.606 | | | 0.036 |
| 0.223 | 0.188 | 1.666 | 1.499 | 1.632 | | 0.048 | 0.046 | 0.047 | 0.048 | 0.048 | 0.048 |
| 0.118 | 0.106 | 1.556 | 1.622 | 1.573 | | 0.047 | 0.054 | 0.051 | 0.051 | 0.052 | 0.051 |

1

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.652 | 1.627 | | 1.188 | 0.748 | 0.811 | 0.764 | 0.753 | 0.674 | 0.751 | 0.529 | 0.044 |
| 1.443 | 1.372 | | 1.364 | 0.139 | 0.147 | 0.131 | 0.139 | 0.110 | 0.811 | 0.561 | 0.043 |
| 1.377 | 1.281 | | 1.284 | 0.206 | 0.189 | 0.184 | 0.200 | 0.202 | 0.821 | 0.560 | 0.044 |
| 0.972 | 0.883 | | 1.387 | 0.339 | 0.349 | 0.386 | 0.406 | 0.312 | 0.903 | 0.565 | 0.044 |
| 0.484 | 0.474 | | 1.298 | 1.087 | 1.113 | 1.203 | 1.022 | 0.903 | 0.790 | 0.544 | 0.042 |
| 0.359 | 0.326 | | 1.308 | 1.622 | 1.622 | 1.630 | 1.625 | 1.550 | | | 0.037 |
| 0.228 | 0.199 | 1.527 | 1.373 | 1.462 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.109 | 1.473 | 1.410 | 1.371 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

2

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.579 | 1.475 | | 1.150 | 1.210 | 1.303 | 1.202 | 1.219 | 1.125 | 0.759 | 0.549 | 0.043 |
| 1.357 | 1.303 | | 1.283 | 0.140 | 0.148 | 0.131 | 0.139 | 0.111 | 0.820 | 0.575 | 0.043 |
| 1.323 | 1.228 | | 1.227 | 0.206 | 0.188 | 0.184 | 0.198 | 0.201 | 0.824 | 0.579 | 0.043 |
| 0.959 | 0.872 | | 1.321 | 0.339 | 0.348 | 0.387 | 0.406 | 0.314 | 0.909 | 0.580 | 0.044 |
| 0.483 | 0.473 | | 1.270 | 1.069 | 1.103 | 1.181 | 1.017 | 0.903 | 0.798 | 0.560 | 0.042 |
| 0.360 | 0.326 | | 1.270 | 1.497 | 1.448 | 1.496 | 1.494 | 1.449 | | | 0.037 |
| 0.228 | 0.199 | 1.374 | 1.262 | 1.314 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.346 | 1.262 | 1.253 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

3

| | | | | | | | | | | | |
|-------|-------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.511 | 1.369 | | | 1.538 | 1.712 | 1.528 | 1.502 | 1.425 | | | 0.043 |
| 1.296 | 1.261 | | | | | | | | | | 0.043 |
| 1.272 | 1.193 | | | | | | | | | | 0.043 |
| 0.947 | 0.859 | | | | | | | | | | 0.044 |
| 0.481 | 0.471 | | | | | | | | | | 0.042 |
| 0.361 | 0.325 | | | | | | | | | | 0.037 |
| 0.229 | 0.199 | | | | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.047 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

4

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.493 | 1.317 | 1.678 | 1.110 | 1.621 | 1.807 | 1.618 | 1.584 | 1.508 | 0.765 | 0.597 | 0.043 |
| 1.259 | 1.238 | 1.850 | 1.197 | 0.139 | 0.150 | 0.132 | 0.139 | 0.111 | 0.821 | 0.588 | 0.043 |
| 1.248 | 1.175 | 1.816 | 1.153 | 0.204 | 0.188 | 0.184 | 0.197 | 0.199 | 0.831 | 0.599 | 0.044 |
| 0.943 | 0.859 | 1.970 | 1.231 | 0.338 | 0.357 | 0.386 | 0.406 | 0.316 | 0.916 | 0.595 | 0.044 |
| 0.480 | 0.470 | 2.220 | 1.220 | 1.054 | 1.088 | 1.154 | 1.006 | 0.902 | 0.805 | 0.579 | 0.042 |
| 0.359 | 0.325 | 2.149 | 1.211 | 1.395 | 1.324 | 1.348 | 1.345 | 1.317 | 0.037 | 0.037 | 0.037 |
| 0.228 | 0.199 | 1.240 | 1.151 | 1.183 | 0.034 | 0.049 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.223 | 1.132 | 1.146 | 0.038 | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

5

| | | | | | | | | | | | |
|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.434 | 1.258 | | 1.090 | 1.648 | 1.876 | 1.649 | 1.627 | 1.535 | | | |
| 1.217 | 1.201 | | 1.149 | | | | | | | | |
| 1.205 | 1.143 | | 1.109 | | | | | | | | |
| 0.935 | 0.845 | | 1.182 | | | | | | | | |
| 0.477 | 0.469 | | 1.181 | | | | | | | | |
| 0.360 | 0.323 | | 1.167 | | | | | | | | |
| 0.229 | 0.200 | | | | | 0.049 | 0.047 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

6

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.013 | 0.810 | | 0.668 | 0.808 | 0.940 | 0.720 | 0.798 | 0.687 | 0.904 | 0.845 | 0.043 |
| 0.709 | 0.827 | | 0.703 | 0.142 | 0.156 | 0.136 | 0.137 | 0.116 | 0.990 | 0.846 | 0.042 |
| 0.682 | 0.692 | | 0.680 | 0.197 | 0.188 | 0.190 | 0.191 | 0.184 | 1.023 | 0.861 | 0.043 |
| 0.507 | 0.519 | | 0.740 | 0.316 | 0.264 | 0.364 | 0.377 | 0.312 | 1.111 | 0.870 | 0.043 |
| 0.394 | 0.406 | | 0.682 | 0.580 | 0.561 | 0.600 | 0.529 | 0.563 | 0.962 | 0.834 | 0.042 |
| 0.333 | 0.322 | | 0.661 | 0.995 | 0.930 | 0.848 | 0.832 | 0.797 | 0.037 | 0.037 | 0.037 |
| 0.229 | 0.201 | 0.843 | 0.679 | 0.732 | | 0.048 | 0.046 | 0.047 | | | 0.047 |
| 0.124 | 0.111 | 0.773 | 0.682 | 0.701 | | 0.047 | 0.053 | 0.051 | 0.051 | 0.052 | 0.051 |

7

skin cultivation

| | | | | | | | | | | | | |
|------------|-------|-------|-------|--|--|-------|-------|-------|-------|-------|-------|--------------|
| 2.565 | 2.187 | 2.054 | 0.598 | | | | | | | | | T6 1 hum sui |
| 0.238 | 0.241 | 0.246 | 0.191 | | | | | | | | | |
| 0.974 | 1.028 | 0.879 | 0.207 | | | | | | | | | |
| 0.82984877 | 0.556 | 0.366 | | | | | | | | | | |
| 0.311 | 0.314 | 0.220 | 0.248 | | | | | | | | | |
| 0.234 | 0.277 | 0.377 | 0.512 | | | | | | | | | |
| | | | | | | 0.050 | 0.049 | 0.050 | 0.051 | 0.050 | 0.050 | |
| | | | | | | 0.050 | 0.049 | 0.050 | 0.049 | 0.049 | 0.049 | |

| | | | | | | | | | | | | |
|--|--|--|--|-------|-------|-------|-----------|-------|-------|-------|-------|--------------|
| | | | | 0.873 | 0.588 | 0.744 | 0.778 | 0.518 | 0.513 | 0.634 | 0.620 | T6 2 hum sui |
| | | | | 0.274 | 0.273 | 0.262 | 0.271 | 0.261 | 0.272 | 0.190 | 0.194 | |
| | | | | 1.181 | 1.211 | 1.314 | 1.355 | 1.060 | 1.076 | 0.232 | 0.227 | |
| | | | | | | 1.027 | 1.0255289 | 0.607 | 0.625 | 0.409 | 0.413 | |
| | | | | 0.341 | 0.356 | 0.341 | 0.349 | 0.231 | 0.239 | 0.257 | 0.254 | |
| | | | | 0.251 | 0.260 | 0.283 | 0.286 | 0.421 | 0.436 | 0.559 | 0.563 | |
| | | | | | | 0.051 | 0.050 | 0.050 | 0.052 | 0.051 | 0.051 | |
| | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.049 | 0.049 | |

| | | | | | |
|--------------------|--------------|------------------------------|----------------------------|------------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (instrument method) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | File name (results) | IsBa_180419/20_LDH_full_v2 | Date of measurement | 19-04-18 |
| | name | Kind of well plate | 96 well | shaking time [min] | 30 |
| cold substance | ACB-ID | sample volume [µL] | 100 | stirring rate (Target) [rpm] | 150 |
| | Batch number | Cocktail volume [µL] | 175 | Kind of measurement | UV-vis |
| | name | ACB-ID of cocktail | | Wave length [nm] | 450 |
| | ACB-ID | Matrix | DMEM (from powder)+PEG | Remarks | Cocktail 100µl RM, 75µl STOP |
| | Batch number | Blank description | DMEM/PEG, H2O | Remarks | 7 standards split low/high |
| n.a. | n.a. | Pipettes (No. / volume) | 50-200µl | Remarks | KLP4 common for both |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|-------|-------|---------|---|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | | | | | | | 0.047 | | | | |
| KLP2 | | | | | | | 0.054 | | | | |
| KLP3 | | | | | | | 0.051 | | | | |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.938 | 0.04 | 4.19 | 0.051 | 0.887 | 0.041 | -0.57 |
| KLP5 | 0.018 | 0.483 | 0.484 | 0.474 | 0.480 | 0.00 | 0.98 | 0.052 | 0.429 | 0.019 | 2.42 |
| KLP6 | 0.012 | 0.360 | 0.359 | 0.326 | 0.348 | 0.02 | 4.54 | 0.051 | 0.297 | 0.013 | 5.00 |
| KLP7 | 0.007 | 0.228 | 0.228 | 0.199 | 0.218 | 0.014 | 6.35 | | 0.168 | 0.006 | -11.29 |
| KLP8 | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|--------------|
| Geradensteigung | Slope | m | 21.03 |
| Y-Achsenabschnitt | Y-Intercept | b | 0.03 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.648055501 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.015177452 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.000664046 |
| Bereichsmittle | | | 0.019557193 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 23.81763508 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 18.24046944 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.099335829 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | -0.031281327 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9991 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9981 |
| Reststandardabweichung | | S ₀ | 0.01669983 |
| Summe Restquadrate | | sd | 0.657385838 |
| Verfahrensstandardabw. | | S ₀₀ | 0.000794131 |
| Rel. Verfahrensstandardabw. % | | V ₀₀ | 4.060559029 |

Berichten

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0.01 |
| x ² SD (LOD) | 0.01 |
| LLOQ (AU) | 0.061 |
| LOD (AU) | 0.067 |
| ULOQ | 0.887 |
| LLOQ (Lin) | 0.168 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date Operator Date Operator Control

Figure 1 Linearity

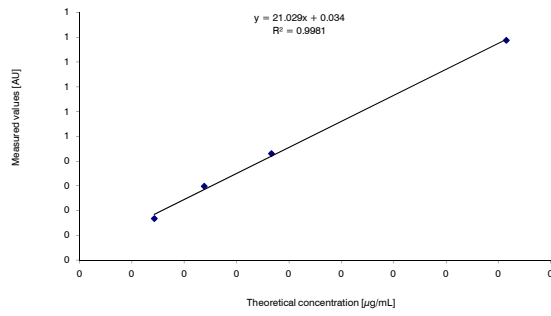
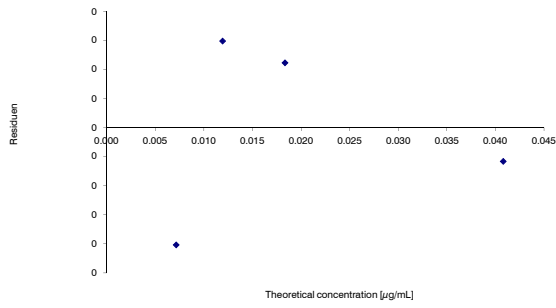


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T8 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SN1 | T8 | D05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8SN1 | T8 | D06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8SN2 | T8 | D07 | 0.262 | 0.211 | 0.211 | 0.008 | 2.75 | 0.023 |
| T8SN2 | T8 | D08 | 0.241 | 0.190 | 0.190 | 0.007 | 2.75 | 0.020 |
| T8SN3 | T8 | D09 | 0.621 | 0.570 | 0.570 | 0.025 | 2.75 | 0.070 |
| T8SN3 | T8 | D10 | 0.621 | 0.570 | 0.570 | 0.026 | 2.75 | 0.070 |
| T8SN4 | T8 | D11 | 0.449 | 0.398 | 0.398 | 0.017 | 2.75 | 0.048 |
| T8SN4 | T8 | D12 | 0.458 | 0.407 | 0.407 | 0.018 | 2.75 | 0.049 |

Plate: T8

| Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test |
|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | 0.260 | 0.234 | 0.197 | 0.193 | 0.128 | 0.132 | 0.204 | 0.210 |
| F | | | | | 0.245 | 0.247 | 0.151 | 0.146 | 0.271 | 0.265 | 0.268 | 0.253 |
| G | | | | | | | | 0.053 | 0.055 | 0.053 | 0.054 | 0.053 |
| H | | | | | | | | 0.053 | 0.052 | 0.051 | 0.052 | 0.052 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | T8SN1 | T8SN1 | T8SN2 | T8SN2 | T8SN3 | T8SN3 | T8SN4 | T8SN4 |
| E | | | | | T8SS11 | T8SS11 | T8SS12 | T8SS12 | T8SS13 | T8SS13 | T8SS14 | T8SS14 |
| F | | | | | T8SS21 | T8SS21 | T8SS22 | T8SS22 | T8SS23 | T8SS23 | T8SS24 | T8SS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Samples aufgeteilt in lin high und low;höher konzentrierte Samples bei lin high zu finden.

Comment:

Date Operator Date Control

| | | | | | | | | |
|--------------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T8 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS11 | T8 | E05 | 0.260 | 0.209 | 0.209 | 0.008 | 2.75 | 0.023 |
| T8SS11 | T8 | E06 | 0.234 | 0.183 | 0.183 | 0.007 | 2.75 | 0.019 |
| T8SS12 | T8 | E07 | 0.197 | 0.146 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8SS12 | T8 | E08 | 0.193 | 0.142 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8SS13 | T8 | E09 | 0.128 | 0.078 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8SS13 | T8 | E10 | 0.132 | 0.081 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8SS14 | T8 | E11 | 0.204 | 0.153 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8SS14 | T8 | E12 | 0.210 | 0.159 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T8 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS21 | T8 | F05 | 0.245 | 0.194 | 0.194 | 0.008 | 2.75 | 0.021 |
| T8SS21 | T8 | F06 | 0.247 | 0.196 | 0.196 | 0.008 | 2.75 | 0.021 |
| T8SS22 | T8 | F07 | 0.151 | 0.100 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8SS22 | T8 | F08 | 0.146 | 0.095 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8SS23 | T8 | F09 | 0.271 | 0.220 | 0.220 | 0.009 | 2.75 | 0.024 |
| T8SS23 | T8 | F10 | 0.265 | 0.214 | 0.214 | 0.009 | 2.75 | 0.023 |
| T8SS24 | T8 | F11 | 0.268 | 0.217 | 0.217 | 0.009 | 2.75 | 0.024 |
| T8SS24 | T8 | F12 | 0.253 | 0.202 | 0.202 | 0.008 | 2.75 | 0.022 |
| 0 | T8 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T8 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T8 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T8 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|-------|----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T9 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9SN2 | T9 | D07 | 0.331 | 0.280 | 0.280 | 0.012 | 2.75 | 0.032 |
| T9SN2 | T9 | D08 | 0.343 | 0.292 | 0.292 | 0.012 | 2.75 | 0.034 |
| T9SN3 | T9 | D09 | 0.621 | 0.570 | 0.570 | 0.025 | 2.75 | 0.070 |
| T9SN3 | T9 | D10 | 0.661 | 0.610 | 0.610 | 0.027 | 2.75 | 0.075 |
| T9SN4 | T9 | D11 | 0.691 | 0.641 | 0.641 | 0.029 | 2.75 | 0.079 |
| T9SN4 | T9 | D12 | 0.644 | 0.593 | 0.593 | 0.027 | 2.75 | 0.073 |

Plate: T9

| | | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | 0.331 | 0.343 | 0.621 | 0.661 | 0.691 | 0.644 |
| E | | | | | 0.415 | 0.405 | 0.204 | 0.207 | 0.138 | 0.133 | 0.233 | 0.231 | |
| F | | | | | 0.295 | 0.327 | 0.199 | 0.193 | 0.277 | 0.307 | 0.271 | 0.291 | |
| G | | | | | | | 0.051 | 0.051 | 0.051 | 0.051 | 0.051 | 0.050 | |
| H | | | | | | | 0.050 | 0.049 | 0.050 | 0.050 | 0.050 | 0.050 | |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | T9SS11 | T9SS11 | T9SS12 | T9SS12 | T9SS13 | T9SS13 | T9SN4 | T9SN4 |
| F | | | | | T9SS21 | T9SS21 | T9SS22 | T9SS22 | T9SS23 | T9SS23 | T9SS24 | T9SS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date Operator

Date Control

| | | | | | | | | |
|--------------|-----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T9 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9SS11 | T9 | E05 | 0.415 | 0.364 | 0.364 | 0.016 | 2.75 | 0.043 |
| T9SS11 | T9 | E06 | 0.405 | 0.354 | 0.354 | 0.015 | 2.75 | 0.042 |
| T9SS12 | T9 | E07 | 0.204 | 0.153 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9SS12 | T9 | E08 | 0.207 | 0.156 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9SS13 | T9 | E09 | 0.138 | 0.087 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9SS13 | T9 | E10 | 0.133 | 0.083 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9SS14 | T9 | E11 | 0.233 | 0.183 | 0.183 | 0.007 | 2.75 | 0.019 |
| T9SS14 | T9 | E12 | 0.231 | 0.180 | 0.180 | 0.007 | 2.75 | 0.019 |
| 0 | T9 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9SS21 | T9 | F05 | 0.295 | 0.244 | 0.244 | 0.010 | 2.75 | 0.027 |
| T9SS21 | T9 | F06 | 0.327 | 0.276 | 0.276 | 0.012 | 2.75 | 0.032 |
| T9SS22 | T9 | F07 | 0.199 | 0.149 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9SS22 | T9 | F08 | 0.193 | 0.142 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9SS23 | T9 | F09 | 0.277 | 0.226 | 0.226 | 0.009 | 2.75 | 0.025 |
| T9SS23 | T9 | F10 | 0.307 | 0.256 | 0.256 | 0.011 | 2.75 | 0.029 |
| T9SS24 | T9 | F11 | 0.271 | 0.220 | 0.220 | 0.009 | 2.75 | 0.024 |
| T9SS24 | T9 | F12 | 0.291 | 0.240 | 0.240 | 0.010 | 2.75 | 0.027 |
| 0 | T9 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T9 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T9 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T9 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T9 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T9 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T9 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T9 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T9 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T9 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T9 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T9 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T9 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T9 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T9 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T10 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T10

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|---|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | 0.493 | 0.502 | 0.540 | 0.537 | 0.680 | 0.722 |
| E | | | | | | 0.377 | 0.373 | 0.217 | 0.208 | | | 0.232 | 0.233 |
| F | | | | | | 0.367 | 0.392 | 0.195 | 0.226 | 0.257 | 0.308 | 0.408 | |
| G | | | | | | | | 0.051 | 0.051 | 0.051 | 0.053 | 0.051 | 0.054 |
| H | | | | | | | | 0.050 | 0.050 | 0.052 | 0.051 | 0.050 | 0.050 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---------|---------|---------|---------|--------|--------|---------|---------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | T10SS11 | T10SS11 | T10SN2 | T10SN2 | T10SN3 | T10SN3 | T10SN4 | T10SN4 |
| | | | | | | | T10SS12 | T10SS12 | | | T10SS14 | T10SS14 |

| | | | | | | | | |
|-----------|-----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T11 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11SN2 | T11 | D07 | 0.358 | 0.307 | 0.307 | 0.013 | 2.75 | 0.036 |
| T11SN2 | T11 | D08 | 0.336 | 0.285 | 0.285 | 0.012 | 2.75 | 0.033 |
| T11SN3 | T11 | D09 | 0.471 | 0.420 | 0.420 | 0.018 | 2.75 | 0.050 |
| T11SN3 | T11 | D10 | 0.480 | 0.429 | 0.429 | 0.019 | 2.75 | 0.052 |
| T11SN4 | T11 | D11 | 0.747 | 0.696 | 0.696 | 0.031 | 2.75 | 0.087 |
| T11SN4 | T11 | D12 | 0.716 | 0.665 | 0.665 | 0.030 | 2.75 | 0.083 |
| 0 | T11 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11SS11 | T11 | E05 | 0.423 | 0.372 | 0.372 | 0.016 | 2.75 | 0.044 |
| T11SS11 | T11 | E06 | 0.402 | 0.351 | 0.351 | 0.015 | 2.75 | 0.041 |
| T11SS12 | T11 | E07 | 0.227 | 0.176 | 0.176 | 0.007 | 2.75 | 0.019 |
| T11SS12 | T11 | E08 | 0.267 | 0.216 | 0.216 | 0.009 | 2.75 | 0.024 |
| T11SS13 | T11 | E09 | 0.154 | 0.103 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11SS13 | T11 | E10 | 0.156 | 0.105 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11SS14 | T11 | E11 | 0.234 | 0.183 | 0.183 | 0.007 | 2.75 | 0.020 |
| T11SS14 | T11 | E12 | 0.235 | 0.184 | 0.184 | 0.007 | 2.75 | 0.020 |
| 0 | T11 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11SS21 | T11 | F05 | 0.354 | 0.303 | 0.303 | 0.013 | 2.75 | 0.035 |
| T11SS21 | T11 | F06 | 0.398 | 0.347 | 0.347 | 0.015 | 2.75 | 0.041 |
| T11SS22 | T11 | F07 | 0.217 | 0.166 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11SS22 | T11 | F08 | 0.229 | 0.178 | 0.178 | 0.007 | 2.75 | 0.019 |
| T11SS23 | T11 | F09 | 0.248 | 0.198 | 0.198 | 0.008 | 2.75 | 0.021 |
| T11SS23 | T11 | F10 | 0.272 | 0.221 | 0.221 | 0.009 | 2.75 | 0.024 |
| T11SS24 | T11 | F11 | 0.308 | 0.257 | 0.257 | 0.011 | 2.75 | 0.029 |
| T11SS24 | T11 | F12 | 0.317 | 0.266 | 0.266 | 0.011 | 2.75 | 0.030 |
| 0 | T11 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T11 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

Plate: T11

| | | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | 0.358 | 0.336 | 0.471 | 0.480 | 0.747 | 0.716 |
| E | | | | | 0.423 | 0.402 | 0.227 | 0.267 | 0.154 | 0.156 | 0.234 | 0.235 | |
| F | | | | | 0.354 | 0.398 | 0.217 | 0.229 | 0.248 | 0.272 | 0.308 | 0.317 | |
| G | | | | | | | | 0.052 | 0.052 | 0.052 | 0.056 | 0.052 | 0.052 |
| H | | | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 | 0.049 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | T11SN2 | T11SN2 | T11SN3 | T11SN3 | T11SN4 | T11SN4 |
| E | | | | | T11SS11 | T11SS11 | T11SS12 | T11SS12 | T11SS13 | T11SS13 | T11SS14 | T11SS14 |
| F | | | | | T11SS21 | T11SS21 | T11SS22 | T11SS22 | T11SS23 | T11SS23 | T11SS24 | T11SS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date Operator Date Control

| | | | | | | | | |
|--------------|-----|-----|---|---|--------------|---------|------|---------|
| Blank PEG | T11 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T11 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T11 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T11 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T11 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T11 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T11 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T11 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T11 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T11 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T11 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T11 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T11 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | |
|--------------------|--------------|----------------------------|-------------------------|-------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (Instrument meth) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| cold substance | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| n.a. | name | LDH | ACB-ID of cocktail | | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PE | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| | | | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|------|------|---------|-----------------------|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | Blank subtraction | [µg/mL] | [%] | |
| KLP1 | 0.148 | 1.579 | 1.652 | 1.627 | 1.62 | 0.03 | 1.87 | 0.047 | 1.568 | 0.148 | -0.24 | 0.00 |
| KLP2 | 0.114 | 1.357 | 1.443 | 1.372 | 1.39 | 0.04 | 2.70 | 0.054 | 1.340 | 0.110 | -3.40 | 0.00 |
| KLP3 | 0.074 | 1.272 | 1.193 | 1.228 | 1.23 | 0.03 | 2.63 | 0.051 | 1.180 | 0.084 | 13.04 | 0.01 |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.94 | 0.04 | 4.19 | 0.051 | 0.887 | 0.035 | -13.32 | -0.01 |
| KLP5 | | | | | | | | 0.052 | | | | |
| KLP6 | | | | | | | | 0.051 | | | | |
| KLP7 | | | | | | | | | | | | |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|-------------|
| Geradensteigung | Slope | m | 6.05 |
| Y-Achsenabschnitt | Y-intercept | b | 0.67 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.620291227 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.063894294 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.006578604 |
| Bereichsmittle | | f | 0.094336926 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 8.722319627 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 3.384093228 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.946914615 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | 0.398761518 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9897 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9794 |
| Reststandardabweichung | | S ₀ | 0.050310948 |
| Summe Restquadrat | | sd | 2.895683345 |
| Verfahrensstandardabw. | | S _{0p} | 0.008311454 |
| Rel. Verfahrensstandardabw. % | | V _{0p} | 8.810393374 |

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0 |
| x ² SD (LOD) | 0 |
| LLOQ (AU) | 0 |
| LOD (AU) | 0 |
| LLOQ | 1.568 |
| LLOQ (Lin) | 0.887 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date

Operator

Date

Control

Figure 1 Linearity

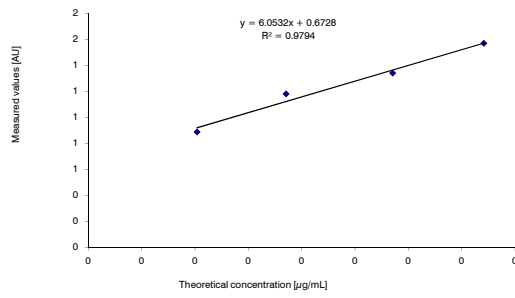
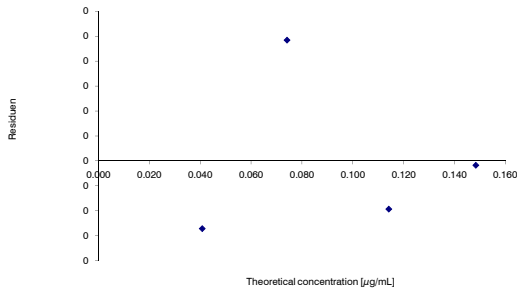


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T8 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SN1 | T8 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SN2 | T8 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SN2 | T8 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SN2 | T8 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SN3 | T8 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SN3 | T8 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SN4 | T8 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SN4 | T8 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T8

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | T8SN1 | T8SN1 | T8SN2 | T8SN2 | T8SN3 | T8SN3 | T8SN4 | T8SN4 |
| E | | | | | T8SS11 | T8SS11 | T8SS12 | T8SS12 | T8SS13 | T8SS13 | T8SS14 | T8SS14 |
| F | | | | | T8SS21 | T8SS21 | T8SS22 | T8SS22 | T8SS23 | T8SS23 | T8SS24 | T8SS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:
alle Messwerte bei lin low

Samples aufgeteilt in lin high und low;niedriger konzentrierte Samples bei lin low zu finden.

Date Operator Date Control

| | | | | | | | | |
|--------------|----|-----|-------|--------|--------------|---------|------|---------|
| 0 | T8 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS11 | T8 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS11 | T8 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS12 | T8 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS12 | T8 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS13 | T8 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS13 | T8 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS14 | T8 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS14 | T8 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS21 | T8 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS21 | T8 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS22 | T8 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS22 | T8 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS23 | T8 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS23 | T8 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS24 | T8 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8SS24 | T8 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T8 | G07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G11 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8 | G12 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T8 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T8 | H07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H11 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8 | H12 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | |
|-------|----|-----|---|--------------|---------|----|---------|
| 0 | T9 | A01 | 0 | kleiner LLOQ | #VALUE! | 2 | #VALUE! |
| 0 | T9 | A02 | 0 | kleiner LLOQ | #VALUE! | 3 | #VALUE! |
| 0 | T9 | A03 | 0 | kleiner LLOQ | #VALUE! | 4 | #VALUE! |
| 0 | T9 | A04 | 0 | kleiner LLOQ | #VALUE! | 5 | #VALUE! |
| 0 | T9 | A05 | 0 | kleiner LLOQ | #VALUE! | 6 | #VALUE! |
| 0 | T9 | A06 | 0 | kleiner LLOQ | #VALUE! | 7 | #VALUE! |
| 0 | T9 | A07 | 0 | kleiner LLOQ | #VALUE! | 8 | #VALUE! |
| 0 | T9 | A08 | 0 | kleiner LLOQ | #VALUE! | 9 | #VALUE! |
| 0 | T9 | A09 | 0 | kleiner LLOQ | #VALUE! | 10 | #VALUE! |
| 0 | T9 | A10 | 0 | kleiner LLOQ | #VALUE! | 11 | #VALUE! |
| 0 | T9 | A11 | 0 | kleiner LLOQ | #VALUE! | 12 | #VALUE! |
| 0 | T9 | A12 | 0 | kleiner LLOQ | #VALUE! | 13 | #VALUE! |
| 0 | T9 | B01 | 0 | kleiner LLOQ | #VALUE! | 14 | #VALUE! |
| 0 | T9 | B02 | 0 | kleiner LLOQ | #VALUE! | 15 | #VALUE! |
| 0 | T9 | B03 | 0 | kleiner LLOQ | #VALUE! | 16 | #VALUE! |
| 0 | T9 | B04 | 0 | kleiner LLOQ | #VALUE! | 17 | #VALUE! |
| 0 | T9 | B05 | 0 | kleiner LLOQ | #VALUE! | 18 | #VALUE! |
| 0 | T9 | B06 | 0 | kleiner LLOQ | #VALUE! | 19 | #VALUE! |
| 0 | T9 | B07 | 0 | kleiner LLOQ | #VALUE! | 20 | #VALUE! |
| 0 | T9 | B08 | 0 | kleiner LLOQ | #VALUE! | 21 | #VALUE! |
| 0 | T9 | B09 | 0 | kleiner LLOQ | #VALUE! | 22 | #VALUE! |
| 0 | T9 | B10 | 0 | kleiner LLOQ | #VALUE! | 23 | #VALUE! |
| 0 | T9 | B11 | 0 | kleiner LLOQ | #VALUE! | 24 | #VALUE! |
| 0 | T9 | B12 | 0 | kleiner LLOQ | #VALUE! | 25 | #VALUE! |
| 0 | T9 | C01 | 0 | kleiner LLOQ | #VALUE! | 26 | #VALUE! |
| 0 | T9 | C02 | 0 | kleiner LLOQ | #VALUE! | 27 | #VALUE! |
| 0 | T9 | C03 | 0 | kleiner LLOQ | #VALUE! | 28 | #VALUE! |
| 0 | T9 | C04 | 0 | kleiner LLOQ | #VALUE! | 29 | #VALUE! |
| 0 | T9 | C05 | 0 | kleiner LLOQ | #VALUE! | 30 | #VALUE! |
| 0 | T9 | C06 | 0 | kleiner LLOQ | #VALUE! | 31 | #VALUE! |
| 0 | T9 | C07 | 0 | kleiner LLOQ | #VALUE! | 32 | #VALUE! |
| 0 | T9 | C08 | 0 | kleiner LLOQ | #VALUE! | 33 | #VALUE! |
| 0 | T9 | C09 | 0 | kleiner LLOQ | #VALUE! | 34 | #VALUE! |
| 0 | T9 | C10 | 0 | kleiner LLOQ | #VALUE! | 35 | #VALUE! |
| 0 | T9 | C11 | 0 | kleiner LLOQ | #VALUE! | 36 | #VALUE! |
| 0 | T9 | C12 | 0 | kleiner LLOQ | #VALUE! | 37 | #VALUE! |
| 0 | T9 | D01 | 0 | kleiner LLOQ | #VALUE! | 38 | #VALUE! |
| 0 | T9 | D02 | 0 | kleiner LLOQ | #VALUE! | 39 | #VALUE! |
| 0 | T9 | D03 | 0 | kleiner LLOQ | #VALUE! | 40 | #VALUE! |
| 0 | T9 | D04 | 0 | kleiner LLOQ | #VALUE! | 41 | #VALUE! |
| 0 | T9 | D05 | 0 | kleiner LLOQ | #VALUE! | 42 | #VALUE! |
| 0 | T9 | D06 | 0 | kleiner LLOQ | #VALUE! | 43 | #VALUE! |
| T9SN2 | T9 | D07 | 0 | kleiner LLOQ | #VALUE! | 44 | #VALUE! |
| T9SN2 | T9 | D08 | 0 | kleiner LLOQ | #VALUE! | 45 | #VALUE! |
| T9SN3 | T9 | D09 | 0 | kleiner LLOQ | #VALUE! | 46 | #VALUE! |
| T9SN3 | T9 | D10 | 0 | kleiner LLOQ | #VALUE! | 47 | #VALUE! |
| T9SN4 | T9 | D11 | 0 | kleiner LLOQ | #VALUE! | 48 | #VALUE! |
| T9SN4 | T9 | D12 | 0 | kleiner LLOQ | #VALUE! | 49 | #VALUE! |

Plate: T9

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

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|---|---|---|---|---|--------|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | T9SN2 | T9SN2 | T9SN3 | T9SN3 | T9SN4 | T9SN4 |
| E | | | | | T9SS11 | T9SS11 | T9SS12 | T9SS12 | T9SS13 | T9SS13 | T9SS14 | T9SS14 |
| F | | | | | T9SS21 | T9SS21 | T9SS22 | T9SS22 | T9SS23 | T9SS23 | T9SS24 | T9SS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

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Date Operator

Date Control

| | | | | | | | | |
|--------------|-----|-----|---|---|--------------|---------|-----|---------|
| 0 | T9 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 50 | #VALUE! |
| 0 | T9 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 51 | #VALUE! |
| 0 | T9 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 52 | #VALUE! |
| 0 | T9 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 53 | #VALUE! |
| T9SS11 | T9 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 54 | #VALUE! |
| T9SS11 | T9 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 55 | #VALUE! |
| T9SS12 | T9 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 56 | #VALUE! |
| T9SS12 | T9 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 57 | #VALUE! |
| T9SS13 | T9 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 58 | #VALUE! |
| T9SS13 | T9 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 59 | #VALUE! |
| T9SS14 | T9 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 60 | #VALUE! |
| T9SS14 | T9 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 61 | #VALUE! |
| 0 | T9 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 62 | #VALUE! |
| 0 | T9 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 63 | #VALUE! |
| 0 | T9 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 64 | #VALUE! |
| 0 | T9 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 65 | #VALUE! |
| T9SS21 | T9 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 66 | #VALUE! |
| T9SS21 | T9 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 67 | #VALUE! |
| T9SS22 | T9 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 68 | #VALUE! |
| T9SS22 | T9 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 69 | #VALUE! |
| T9SS23 | T9 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 70 | #VALUE! |
| T9SS23 | T9 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 71 | #VALUE! |
| T9SS24 | T9 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 72 | #VALUE! |
| T9SS24 | T9 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 73 | #VALUE! |
| 0 | T9 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 74 | #VALUE! |
| 0 | T9 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 75 | #VALUE! |
| 0 | T9 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 76 | #VALUE! |
| 0 | T9 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 77 | #VALUE! |
| 0 | T9 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 78 | #VALUE! |
| 0 | T9 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 79 | #VALUE! |
| Blank PEG | T9 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 80 | #VALUE! |
| Blank PEG | T9 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 81 | #VALUE! |
| Blank PEG | T9 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 82 | #VALUE! |
| Blank PEG | T9 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 83 | #VALUE! |
| Blank PEG | T9 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 84 | #VALUE! |
| Blank PEG | T9 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 85 | #VALUE! |
| 0 | T9 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 86 | #VALUE! |
| 0 | T9 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 87 | #VALUE! |
| 0 | T9 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 88 | #VALUE! |
| 0 | T9 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 89 | #VALUE! |
| 0 | T9 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 90 | #VALUE! |
| 0 | T9 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 91 | #VALUE! |
| Blank no PEG | T9 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 92 | #VALUE! |
| Blank no PEG | T9 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 93 | #VALUE! |
| Blank no PEG | T9 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 94 | #VALUE! |
| Blank no PEG | T9 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 95 | #VALUE! |
| Blank no PEG | T9 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 96 | #VALUE! |
| Blank no PEG | T9 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 97 | #VALUE! |
| 0 | T10 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 98 | #VALUE! |
| 0 | T10 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 99 | #VALUE! |
| 0 | T10 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 100 | #VALUE! |
| 0 | T10 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 101 | #VALUE! |
| 0 | T10 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 102 | #VALUE! |
| 0 | T10 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 103 | #VALUE! |
| 0 | T10 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 104 | #VALUE! |
| 0 | T10 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 105 | #VALUE! |
| 0 | T10 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 106 | #VALUE! |
| 0 | T10 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 107 | #VALUE! |
| 0 | T10 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 108 | #VALUE! |
| 0 | T10 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 109 | #VALUE! |
| 0 | T10 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 110 | #VALUE! |
| 0 | T10 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 111 | #VALUE! |
| 0 | T10 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 112 | #VALUE! |
| 0 | T10 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 113 | #VALUE! |
| 0 | T10 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 114 | #VALUE! |
| 0 | T10 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 115 | #VALUE! |
| 0 | T10 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 116 | #VALUE! |
| 0 | T10 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 117 | #VALUE! |
| 0 | T10 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 118 | #VALUE! |
| 0 | T10 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 119 | #VALUE! |
| 0 | T10 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 120 | #VALUE! |
| 0 | T10 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 121 | #VALUE! |
| 0 | T10 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 122 | #VALUE! |
| 0 | T10 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 123 | #VALUE! |
| 0 | T10 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 124 | #VALUE! |

Plate: T10

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

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|---|---|---|---|---|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | T10SS11 | T10SS11 | T10SN2 | T10SN2 | T10SN3 | T10SN3 | T10SN4 | T10SN4 |
| F | | | | | T10SS21 | T10SS21 | T10SS22 | T10SS22 | T10SS23 | T10SS23 | T10SS24 | T10SS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |

| | | | | | | | |
|---|-----|-----|---|--------------|---------|-----|---------|
| 0 | T11 | A01 | 0 | kleiner LLOQ | #VALUE! | 194 | #VALUE! |
| 0 | T11 | A02 | 0 | kleiner LLOQ | #VALUE! | 195 | #VALUE! |
| 0 | T11 | A03 | 0 | kleiner LLOQ | #VALUE! | 196 | #VALUE! |
| 0 | T11 | A04 | 0 | kleiner LLOQ | #VALUE! | 197 | #VALUE! |
| 0 | T11 | A05 | 0 | kleiner LLOQ | #VALUE! | 198 | #VALUE! |
| 0 | T11 | A06 | 0 | kleiner LLOQ | #VALUE! | 199 | #VALUE! |
| 0 | T11 | A07 | 0 | kleiner LLOQ | #VALUE! | 200 | #VALUE! |
| 0 | T11 | A08 | 0 | kleiner LLOQ | #VALUE! | 201 | #VALUE! |
| 0 | T11 | A09 | 0 | kleiner LLOQ | #VALUE! | 202 | #VALUE! |
| 0 | T11 | A10 | 0 | kleiner LLOQ | #VALUE! | 203 | #VALUE! |
| 0 | T11 | A11 | 0 | kleiner LLOQ | #VALUE! | 204 | #VALUE! |
| 0 | T11 | A12 | 0 | kleiner LLOQ | #VALUE! | 205 | #VALUE! |
| 0 | T11 | B01 | 0 | kleiner LLOQ | #VALUE! | 206 | #VALUE! |
| 0 | T11 | B02 | 0 | kleiner LLOQ | #VALUE! | 207 | #VALUE! |
| 0 | T11 | B03 | 0 | kleiner LLOQ | #VALUE! | 208 | #VALUE! |
| 0 | T11 | B04 | 0 | kleiner LLOQ | #VALUE! | 209 | #VALUE! |
| 0 | T11 | B05 | 0 | kleiner LLOQ | #VALUE! | 210 | #VALUE! |
| 0 | T11 | B06 | 0 | kleiner LLOQ | #VALUE! | 211 | #VALUE! |
| 0 | T11 | B07 | 0 | kleiner LLOQ | #VALUE! | 212 | #VALUE! |
| 0 | T11 | B08 | 0 | kleiner LLOQ | #VALUE! | 213 | #VALUE! |
| 0 | T11 | B09 | 0 | kleiner LLOQ | #VALUE! | 214 | #VALUE! |
| 0 | T11 | B10 | 0 | kleiner LLOQ | #VALUE! | 215 | #VALUE! |
| 0 | T11 | B11 | 0 | kleiner LLOQ | #VALUE! | 216 | #VALUE! |
| 0 | T11 | B12 | 0 | kleiner LLOQ | #VALUE! | 217 | #VALUE! |
| 0 | T11 | C01 | 0 | kleiner LLOQ | #VALUE! | 218 | #VALUE! |
| 0 | T11 | C02 | 0 | kleiner LLOQ | #VALUE! | 219 | #VALUE! |
| 0 | T11 | C03 | 0 | kleiner LLOQ | #VALUE! | 220 | #VALUE! |
| 0 | T11 | C04 | 0 | kleiner LLOQ | #VALUE! | 221 | #VALUE! |
| 0 | T11 | C05 | 0 | kleiner LLOQ | #VALUE! | 222 | #VALUE! |
| 0 | T11 | C06 | 0 | kleiner LLOQ | #VALUE! | 223 | #VALUE! |
| 0 | T11 | C07 | 0 | kleiner LLOQ | #VALUE! | 224 | #VALUE! |
| 0 | T11 | C08 | 0 | kleiner LLOQ | #VALUE! | 225 | #VALUE! |
| 0 | T11 | C09 | 0 | kleiner LLOQ | #VALUE! | 226 | #VALUE! |
| 0 | T11 | C10 | 0 | kleiner LLOQ | #VALUE! | 227 | #VALUE! |
| 0 | T11 | C11 | 0 | kleiner LLOQ | #VALUE! | 228 | #VALUE! |
| 0 | T11 | C12 | 0 | kleiner LLOQ | #VALUE! | 229 | #VALUE! |
| 0 | T11 | D01 | 0 | kleiner LLOQ | #VALUE! | 230 | #VALUE! |
| 0 | T11 | D02 | 0 | kleiner LLOQ | #VALUE! | 231 | #VALUE! |
| 0 | T11 | D03 | 0 | kleiner LLOQ | #VALUE! | 232 | #VALUE! |
| 0 | T11 | D04 | 0 | kleiner LLOQ | #VALUE! | 233 | #VALUE! |
| 0 | T11 | D05 | 0 | kleiner LLOQ | #VALUE! | 234 | #VALUE! |
| 0 | T11 | D06 | 0 | kleiner LLOQ | #VALUE! | 235 | #VALUE! |
| 0 | T11 | D07 | 0 | kleiner LLOQ | #VALUE! | 236 | #VALUE! |
| 0 | T11 | D08 | 0 | kleiner LLOQ | #VALUE! | 237 | #VALUE! |
| 0 | T11 | D09 | 0 | kleiner LLOQ | #VALUE! | 238 | #VALUE! |
| 0 | T11 | D10 | 0 | kleiner LLOQ | #VALUE! | 239 | #VALUE! |
| 0 | T11 | D11 | 0 | kleiner LLOQ | #VALUE! | 240 | #VALUE! |
| 0 | T11 | D12 | 0 | kleiner LLOQ | #VALUE! | 241 | #VALUE! |
| 0 | T11 | E01 | 0 | kleiner LLOQ | #VALUE! | 242 | #VALUE! |
| 0 | T11 | E02 | 0 | kleiner LLOQ | #VALUE! | 243 | #VALUE! |
| 0 | T11 | E03 | 0 | kleiner LLOQ | #VALUE! | 244 | #VALUE! |
| 0 | T11 | E04 | 0 | kleiner LLOQ | #VALUE! | 245 | #VALUE! |
| 0 | T11 | E05 | 0 | kleiner LLOQ | #VALUE! | 246 | #VALUE! |
| 0 | T11 | E06 | 0 | kleiner LLOQ | #VALUE! | 247 | #VALUE! |
| 0 | T11 | E07 | 0 | kleiner LLOQ | #VALUE! | 248 | #VALUE! |
| 0 | T11 | E08 | 0 | kleiner LLOQ | #VALUE! | 249 | #VALUE! |
| 0 | T11 | E09 | 0 | kleiner LLOQ | #VALUE! | 250 | #VALUE! |

Plate: T11

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | | | | | | | | | | | | | |
|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | T11SN2 | T11SN2 | T11SN3 | T11SN3 | T11SN4 | T11SN4 |
| E | | | | | T11SS11 | T11SS11 | T11SS12 | T11SS12 | T11SS13 | T11SS13 | T11SS14 | T11SS14 | |
| F | | | | | T11SS21 | T11SS21 | T11SS22 | T11SS22 | T11SS23 | T11SS23 | T11SS24 | T11SS24 | |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | |

Comment:

alle Messwerte bei lin low

Date Operator

Date Control

| | | | | | | | | |
|--------------|-----|-----|---|---|--------------|---------|-----|---------|
| T11SS13 | T11 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 251 | #VALUE! |
| T11SS14 | T11 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 252 | #VALUE! |
| T11SS14 | T11 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 253 | #VALUE! |
| 0 | T11 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 254 | #VALUE! |
| 0 | T11 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 255 | #VALUE! |
| 0 | T11 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 256 | #VALUE! |
| 0 | T11 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 257 | #VALUE! |
| T11SS21 | T11 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 258 | #VALUE! |
| T11SS21 | T11 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 259 | #VALUE! |
| T11SS22 | T11 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 260 | #VALUE! |
| T11SS22 | T11 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 261 | #VALUE! |
| T11SS23 | T11 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 262 | #VALUE! |
| T11SS23 | T11 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 263 | #VALUE! |
| T11SS24 | T11 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 264 | #VALUE! |
| T11SS24 | T11 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 265 | #VALUE! |
| 0 | T11 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 266 | #VALUE! |
| 0 | T11 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 267 | #VALUE! |
| 0 | T11 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 268 | #VALUE! |
| 0 | T11 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 269 | #VALUE! |
| 0 | T11 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 270 | #VALUE! |
| 0 | T11 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 271 | #VALUE! |
| Blank PEG | T11 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 272 | #VALUE! |
| Blank PEG | T11 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 273 | #VALUE! |
| Blank PEG | T11 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 274 | #VALUE! |
| Blank PEG | T11 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 275 | #VALUE! |
| Blank PEG | T11 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 276 | #VALUE! |
| Blank PEG | T11 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 277 | #VALUE! |
| 0 | T11 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 278 | #VALUE! |
| 0 | T11 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 279 | #VALUE! |
| 0 | T11 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 280 | #VALUE! |
| 0 | T11 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 281 | #VALUE! |
| 0 | T11 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 282 | #VALUE! |
| 0 | T11 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 283 | #VALUE! |
| Blank no PEG | T11 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 284 | #VALUE! |
| Blank no PEG | T11 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 285 | #VALUE! |
| Blank no PEG | T11 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 286 | #VALUE! |
| Blank no PEG | T11 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 287 | #VALUE! |
| Blank no PEG | T11 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 288 | #VALUE! |
| Blank no PEG | T11 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 289 | #VALUE! |

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.447 | 1.739 | | 1.170 | | | | | | 0.667 | 0.440 | 0.043 |
| 1.447 | 1.332 | | 1.392 | 0.137 | 0.146 | 0.130 | 0.138 | 0.109 | 0.729 | 0.478 | 0.042 |
| 1.391 | 1.281 | | 1.311 | 0.204 | 0.184 | 0.184 | 0.198 | 0.201 | 0.743 | 0.474 | 0.043 |
| 0.961 | 0.835 | | 1.405 | 0.336 | 0.347 | 0.375 | 0.387 | 0.300 | 0.824 | 0.483 | 0.044 |
| 0.445 | 0.441 | | 1.280 | 1.085 | 1.086 | 1.218 | 1.004 | 0.873 | 0.704 | 0.457 | 0.041 |
| 0.355 | 0.315 | | 1.332 | 1.768 | 1.925 | 1.753 | 1.739 | 1.606 | | | 0.036 |
| 0.223 | 0.188 | 1.666 | 1.499 | 1.632 | | 0.048 | 0.046 | 0.047 | 0.048 | 0.048 | 0.048 |
| 0.118 | 0.106 | 1.556 | 1.622 | 1.573 | | 0.047 | 0.054 | 0.051 | 0.051 | 0.052 | 0.051 |

1

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.652 | 1.627 | | 1.188 | 0.748 | 0.811 | 0.764 | 0.753 | 0.674 | 0.751 | 0.529 | 0.044 |
| 1.443 | 1.372 | | 1.364 | 0.139 | 0.147 | 0.131 | 0.139 | 0.110 | 0.811 | 0.561 | 0.043 |
| 1.377 | 1.281 | | 1.284 | 0.206 | 0.189 | 0.184 | 0.200 | 0.202 | 0.821 | 0.560 | 0.044 |
| 0.972 | 0.883 | | 1.387 | 0.339 | 0.349 | 0.386 | 0.406 | 0.312 | 0.903 | 0.565 | 0.044 |
| 0.484 | 0.474 | | 1.298 | 1.087 | 1.113 | 1.203 | 1.022 | 0.903 | 0.790 | 0.544 | 0.042 |
| 0.359 | 0.326 | | 1.308 | 1.622 | 1.622 | 1.630 | 1.625 | 1.550 | | | 0.037 |
| 0.228 | 0.199 | 1.527 | 1.373 | 1.462 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.109 | 1.473 | 1.410 | 1.371 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

2

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.579 | 1.475 | | 1.150 | 1.210 | 1.303 | 1.202 | 1.219 | 1.125 | 0.759 | 0.549 | 0.043 |
| 1.357 | 1.303 | | 1.283 | 0.140 | 0.148 | 0.131 | 0.139 | 0.111 | 0.820 | 0.575 | 0.043 |
| 1.323 | 1.228 | | 1.227 | 0.206 | 0.188 | 0.184 | 0.198 | 0.201 | 0.824 | 0.579 | 0.043 |
| 0.959 | 0.872 | | 1.321 | 0.339 | 0.348 | 0.387 | 0.406 | 0.314 | 0.909 | 0.580 | 0.044 |
| 0.483 | 0.473 | | 1.270 | 1.069 | 1.103 | 1.181 | 1.017 | 0.903 | 0.798 | 0.560 | 0.042 |
| 0.360 | 0.326 | | 1.270 | 1.497 | 1.448 | 1.496 | 1.494 | 1.449 | | | 0.037 |
| 0.228 | 0.199 | 1.374 | 1.262 | 1.314 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.346 | 1.262 | 1.253 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

3

| | | | | | | | | | | | |
|-------|-------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.511 | 1.369 | | | 1.538 | 1.712 | 1.528 | 1.502 | 1.425 | | | 0.043 |
| 1.296 | 1.261 | | | | | | | | | | 0.043 |
| 1.272 | 1.193 | | | | | | | | | | 0.043 |
| 0.947 | 0.859 | | | | | | | | | | 0.044 |
| 0.481 | 0.471 | | | | | | | | | | 0.042 |
| 0.361 | 0.325 | | | | | | | | | | 0.037 |
| 0.229 | 0.199 | | | | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.047 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

4

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.493 | 1.317 | 1.678 | 1.110 | 1.621 | 1.807 | 1.618 | 1.584 | 1.508 | 0.765 | 0.597 | 0.043 |
| 1.259 | 1.238 | 1.850 | 1.197 | 0.139 | 0.150 | 0.132 | 0.139 | 0.111 | 0.821 | 0.588 | 0.043 |
| 1.248 | 1.175 | 1.816 | 1.153 | 0.204 | 0.188 | 0.184 | 0.197 | 0.199 | 0.831 | 0.599 | 0.044 |
| 0.943 | 0.859 | 1.970 | 1.231 | 0.338 | 0.357 | 0.386 | 0.406 | 0.316 | 0.916 | 0.595 | 0.044 |
| 0.480 | 0.470 | 2.220 | 1.220 | 1.054 | 1.088 | 1.154 | 1.006 | 0.902 | 0.805 | 0.579 | 0.042 |
| 0.359 | 0.325 | 2.149 | 1.211 | 1.395 | 1.324 | 1.348 | 1.345 | 1.317 | 0.037 | 0.037 | 0.037 |
| 0.228 | 0.199 | 1.240 | 1.151 | 1.183 | 0.034 | 0.049 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.223 | 1.132 | 1.146 | 0.038 | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

5

| | | | | | | | | | | | |
|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.434 | 1.258 | | 1.090 | 1.648 | 1.876 | 1.649 | 1.627 | 1.535 | | | |
| 1.217 | 1.201 | | 1.149 | | | | | | | | |
| 1.205 | 1.143 | | 1.109 | | | | | | | | |
| 0.935 | 0.845 | | 1.182 | | | | | | | | |
| 0.477 | 0.469 | | 1.181 | | | | | | | | |
| 0.360 | 0.323 | | 1.167 | | | | | | | | |
| 0.229 | 0.200 | | | | | 0.049 | 0.047 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

6

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.013 | 0.810 | | 0.668 | 0.808 | 0.940 | 0.720 | 0.798 | 0.687 | 0.904 | 0.845 | 0.043 |
| 0.709 | 0.827 | | 0.703 | 0.142 | 0.156 | 0.136 | 0.137 | 0.116 | 0.990 | 0.846 | 0.042 |
| 0.682 | 0.692 | | 0.680 | 0.197 | 0.188 | 0.190 | 0.191 | 0.184 | 1.023 | 0.861 | 0.043 |
| 0.507 | 0.519 | | 0.740 | 0.316 | 0.264 | 0.364 | 0.377 | 0.312 | 1.111 | 0.870 | 0.043 |
| 0.394 | 0.406 | | 0.682 | 0.580 | 0.561 | 0.600 | 0.529 | 0.563 | 0.962 | 0.834 | 0.042 |
| 0.333 | 0.322 | | 0.661 | 0.995 | 0.930 | 0.848 | 0.832 | 0.797 | 0.037 | 0.037 | 0.037 |
| 0.229 | 0.201 | 0.843 | 0.679 | 0.732 | | 0.048 | 0.046 | 0.047 | | | 0.047 |
| 0.124 | 0.111 | 0.773 | 0.682 | 0.701 | | 0.047 | 0.053 | 0.051 | 0.051 | 0.052 | 0.051 |

7

skin cultivation

| | | | | | | | | | | | | |
|-------|-------|-------|-------|--|--|-------|-------|-------|-------|-------|-------|--------------|
| 0.685 | 0.649 | 0.387 | 0.342 | | | | | | | | | T8 1 hum sui |
| 0.154 | 0.141 | 0.128 | 0.091 | | | | | | | | | |
| 0.558 | 0.521 | 0.531 | 0.224 | | | | | | | | | |
| | 0.277 | 0.599 | 0.442 | | | | | | | | | |
| 0.305 | 0.254 | 0.135 | 0.201 | | | | | | | | | |
| 0.266 | 0.234 | 0.279 | 0.262 | | | | | | | | | |
| | | | | | | 0.051 | 0.054 | 0.050 | 0.052 | 0.051 | 0.051 | |
| | | | | | | 0.051 | 0.051 | 0.050 | 0.050 | 0.051 | 0.050 | |

| | | | | | | | | | | | | |
|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | | | | 0.635 | 0.607 | 0.628 | 0.661 | 0.404 | 0.309 | 0.229 | 0.222 | T8 2 hum sui |
| | | | | 0.460 | 0.171 | 0.156 | 0.167 | 0.129 | 0.136 | 0.081 | 0.084 | |
| | | | | 0.458 | 0.708 | 0.553 | 0.584 | 0.670 | 0.659 | 0.222 | 0.224 | |
| | | | | | | 0.262 | 0.241 | 0.621 | 0.621 | 0.449 | 0.458 | |
| | | | | 0.260 | 0.234 | 0.197 | 0.193 | 0.128 | 0.132 | 0.204 | 0.210 | |
| | | | | 0.245 | 0.247 | 0.151 | 0.146 | 0.271 | 0.265 | 0.268 | 0.253 | |
| | | | | | | 0.053 | 0.055 | 0.053 | 0.054 | 0.053 | 0.053 | |
| | | | | | | 0.053 | 0.052 | 0.051 | 0.052 | 0.052 | 0.052 | |

| | | | | | | | | | | | | |
|-------|-------|-------|-------|--|--|-------|-------|-------|-------|-------|-------|--------------|
| 0.488 | 0.481 | 0.313 | 0.358 | | | | | | | | | T9 1 hum sui |
| 0.137 | 0.134 | 0.176 | 0.097 | | | | | | | | | |
| 0.473 | 0.445 | 0.459 | 0.179 | | | | | | | | | |
| | 0.323 | 0.536 | 0.588 | | | | | | | | | |
| 0.374 | 0.244 | 0.122 | 0.203 | | | | | | | | | |
| 0.333 | 0.253 | 0.304 | 0.282 | | | | | | | | | |
| | | | | | | 0.049 | 0.049 | 0.049 | 0.050 | 0.049 | 0.049 | |
| | | | | | | 0.050 | 0.048 | 0.048 | 0.048 | 0.047 | 0.048 | |

| | | | | | | | | | | | | |
|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | | | | 0.379 | 0.370 | 0.484 | 0.478 | 0.220 | 0.291 | 0.404 | 0.398 | T9 2 hum sui |
| | | | | 0.157 | 0.155 | 0.155 | 0.157 | 0.194 | 0.200 | 0.080 | 0.091 | |
| | | | | 0.623 | 0.633 | 0.542 | 0.548 | 0.625 | 0.640 | 0.197 | 0.192 | |
| | | | | | | 0.331 | 0.343 | 0.621 | 0.661 | 0.691 | 0.644 | |
| | | | | 0.415 | 0.405 | 0.204 | 0.207 | | | 0.233 | 0.231 | |
| | | | | 0.295 | 0.327 | 0.199 | 0.193 | 0.277 | 0.307 | 0.271 | 0.291 | |
| | | | | | | 0.051 | 0.051 | 0.051 | 0.051 | 0.051 | 0.050 | |
| | | | | | | 0.050 | 0.049 | 0.050 | 0.049 | 0.050 | 0.050 | |

| | | | | | | | | | | | | |
|--|--|--|--|--|--|-------|-------|-------|-------|-------|-------|-----------------------------|
| | | | | | | | | | | | | T9 hum sui 2 wells vergesse |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | 0.138 | 0.133 | | | |
| | | | | | | | | | | | | |
| | | | | | | 0.051 | 0.051 | 0.051 | 0.051 | 0.051 | 0.050 | |
| | | | | | | 0.050 | 0.049 | 0.050 | 0.050 | 0.050 | 0.050 | |

| | | | | | | | | | | | | |
|-------|-------|-------|-------|--|--|-------|-------|-------|-------|-------|-------|---------------|
| 0.349 | 0.421 | 0.408 | 0.372 | | | | | | | | | T10 1 hum sui |
| 0.125 | 0.140 | 0.183 | 0.089 | | | | | | | | | |
| 0.538 | 0.449 | 0.477 | 0.178 | | | | | | | | | |
| | 0.486 | 0.476 | 0.666 | | | | | | | | | |
| 0.367 | 0.243 | | 0.213 | | | | | | | | | |
| 0.431 | 0.273 | 0.263 | 0.314 | | | | | | | | | |
| | | | | | | 0.049 | 0.049 | 0.049 | 0.051 | 0.049 | 0.052 | |
| | | | | | | 0.049 | 0.048 | 0.052 | 0.050 | 0.049 | 0.049 | |

| | | | | | | | | | | | | |
|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| | | | | 0.337 | 0.335 | 0.457 | 0.454 | 0.421 | 0.439 | 0.367 | 0.373 | T10 2 hum sui |
| | | | | 0.137 | 0.138 | 0.156 | 0.166 | 0.178 | 0.182 | 0.087 | 0.082 | |
| | | | | 0.645 | 0.646 | 0.519 | 0.550 | 0.557 | 0.572 | 0.193 | 0.182 | |
| | | | | | | 0.493 | 0.502 | 0.540 | 0.537 | 0.680 | 0.722 | |
| | | | | 0.377 | 0.373 | 0.217 | 0.208 | | | 0.232 | 0.233 | |
| | | | | 0.367 | 0.392 | 0.213 | 0.195 | 0.226 | 0.257 | 0.306 | 0.408 | |

| | | | | | | | | | | | |
|--|--|--|--|--|--|-------|-------|-------|-------|-------|-------|
| | | | | | | 0.051 | 0.051 | 0.051 | 0.053 | 0.051 | 0.054 |
| | | | | | | 0.050 | 0.050 | 0.052 | 0.051 | 0.050 | 0.050 |

| | | | | | | | | | | | | |
|-------|-------|-------|-------|--|--|-------|-------|-------|-------|-------|-------|---------------|
| 0.491 | 0.574 | 0.518 | 0.380 | | | | | | | | | T11 1 hum sui |
| 0.074 | 0.073 | 0.106 | 0.089 | | | | | | | | | |
| 0.689 | 0.516 | 0.535 | 0.209 | | | | | | | | | |
| | 0.352 | 0.464 | 0.727 | | | | | | | | | |
| 0.433 | 0.269 | 0.165 | 0.224 | | | | | | | | | |
| 0.402 | 0.254 | 0.296 | 0.329 | | | | | | | | | |
| | | | | | | 0.052 | 0.051 | 0.051 | 0.053 | 0.051 | 0.051 | |
| | | | | | | 0.049 | 0.049 | 0.050 | 0.050 | 0.049 | 0.049 | |

| | | | | | | | | | | | | |
|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| | | | | 0.502 | 0.545 | 0.613 | 0.593 | 0.579 | 0.537 | 0.385 | 0.388 | T11 2 hum sui |
| | | | | 0.206 | 0.205 | 0.187 | 0.189 | 0.187 | 0.177 | 0.122 | 0.114 | |
| | | | | 0.731 | 0.737 | 0.575 | 0.570 | 0.538 | 0.531 | 0.208 | 0.207 | |
| | | | | | | 0.358 | 0.336 | 0.471 | 0.480 | 0.747 | 0.716 | |
| | | | | 0.423 | 0.402 | 0.227 | 0.267 | 0.154 | 0.156 | 0.234 | 0.235 | |
| | | | | 0.354 | 0.398 | 0.217 | 0.229 | 0.248 | 0.272 | 0.308 | 0.317 | |
| | | | | | | 0.052 | 0.052 | 0.052 | 0.056 | 0.052 | 0.052 | |
| | | | | | | 0.050 | 0.050 | 0.050 | 0.050 | 0.050 | 0.049 | |

| | | | | | |
|--------------------|--------------|------------------------------|-------------------------|----------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (instrument method) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full_v2 | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| cold substance | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| | name | LDH | ACB-ID of cocktail | | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PEG | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| n.a. | n.a. | n.a. | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|-------|-------|---------|---|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | | | | | | | 0.047 | | | | |
| KLP2 | | | | | | | 0.054 | | | | |
| KLP3 | | | | | | | 0.051 | | | | |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.938 | 0.04 | 4.19 | 0.051 | 0.887 | 0.041 | -0.57 |
| KLP5 | 0.018 | 0.483 | 0.484 | 0.474 | 0.480 | 0.00 | 0.98 | 0.052 | 0.429 | 0.019 | 2.42 |
| KLP6 | 0.012 | 0.360 | 0.359 | 0.326 | 0.348 | 0.02 | 4.54 | 0.051 | 0.297 | 0.013 | 5.00 |
| KLP7 | 0.007 | 0.228 | 0.228 | 0.199 | 0.218 | 0.014 | 6.35 | | 0.168 | 0.006 | -11.29 |
| KLP8 | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|--------------|
| Geradensteigung | Slope | m | 21.03 |
| Y-Achsenabschnitt | Y-Intercept | b | 0.03 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.648055501 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.015177452 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.000664046 |
| Bereichsmittle | | | 0.019557193 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 23.81763508 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 18.24046944 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.099335829 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | -0.031281327 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9991 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9981 |
| Reststandardabweichung | | S ₀ | 0.01669983 |
| Summe Restquadrate | | sd | 0.657385838 |
| Verfahrensstandardabw. | | S ₀₀ | 0.000794131 |
| Rel. Verfahrensstandardabw. % | | V ₀₀ | 4.060559029 |

Berichten

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0.01 |
| x ² SD (LOD) | 0.01 |
| LLOQ (AU) | 0.061 |
| LOD (AU) | 0.067 |
| ULOQ | 0.887 |
| LLOQ (Lin) | 0.168 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date Operator Date Operator Control

Figure 1 Linearity

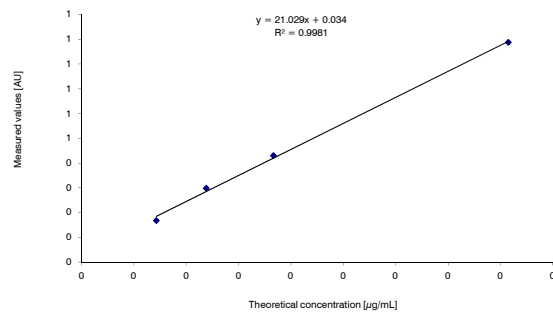
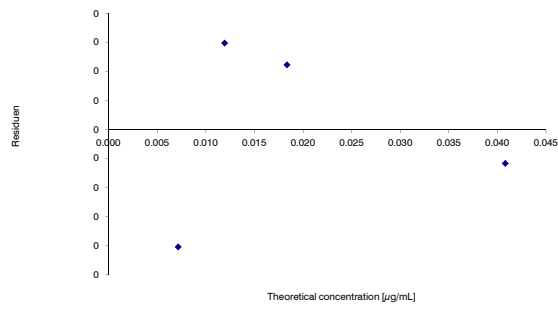


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T12 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SN2 | T12 | D07 | 0.392 | 0.341 | 0.341 | 0.015 | 2.75 | 0.040 |
| T12SN2 | T12 | D08 | 0.404 | 0.353 | 0.353 | 0.015 | 2.75 | 0.042 |
| T12SN3 | T12 | D09 | 0.444 | 0.393 | 0.393 | 0.017 | 2.75 | 0.047 |
| T12SN3 | T12 | D10 | 0.467 | 0.416 | 0.416 | 0.018 | 2.75 | 0.050 |
| T12SN4 | T12 | D11 | 0.574 | 0.523 | 0.523 | 0.023 | 2.75 | 0.064 |
| T12SN4 | T12 | D12 | 0.587 | 0.536 | 0.536 | 0.024 | 2.75 | 0.066 |

Plate: T12

| Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test |
|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | 0.636 | 0.622 | 0.342 | 0.371 | 0.439 | 0.463 | 0.228 | 0.226 |
| F | | | | | 0.481 | 0.487 | 0.294 | 0.226 | 0.298 | 0.299 | 0.306 | 0.308 |
| G | | | | | | | 0.049 | 0.049 | 0.050 | 0.049 | 0.049 | 0.049 |
| H | | | | | | | 0.047 | 0.047 | 0.047 | 0.048 | 0.048 | 0.047 |

| Plattenbelegung | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | |
|-----------------|---|---|---|---|---|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| A | | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | | | |
| E | | | | | | | | T12SN2 | T12SN2 | T12SN3 | T12SN3 | T12SN4 | T12SN4 | | |
| F | | | | | | | | T12SS11 | T12SS11 | T12SS12 | T12SS12 | T12SS13 | T12SS13 | T12SS14 | T12SS14 |
| G | | | | | | | | T12SS21 | T12SS21 | T12SS22 | T12SS22 | T12SS23 | T12SS23 | T12SS24 | T12SS24 |
| H | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |

Samples aufgeteilt in lin high und low:höher konzentrierte Samples bei lin high zu finden.

Comment:
 Erste 4 Reihen immer Testmessung zur Evaluierung der benötigten Verdünnung. Wird nicht mit ausgewertet. Unverdünte Messungen außerhalb der Linearität werden ebenfalls nicht ausgewertet. Dil.Faktor unverdünte samples=2,75 (100µl sample+100µlRM+75µl stop sol.) Verdünnung (gelb) Dil.8 Dil8*Dil2,75=Dil.22

Date Operator

Date Control

| | | | | | | | | |
|--------------|-----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T12 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS11 | T12 | E05 | 0.636 | 0.585 | 0.585 | 0.026 | 2.75 | 0.072 |
| T12SS11 | T12 | E06 | 0.622 | 0.571 | 0.571 | 0.026 | 2.75 | 0.070 |
| T12SS12 | T12 | E07 | 0.342 | 0.291 | 0.291 | 0.012 | 2.75 | 0.034 |
| T12SS12 | T12 | E08 | 0.371 | 0.320 | 0.320 | 0.014 | 2.75 | 0.037 |
| T12SS13 | T12 | E09 | 0.439 | 0.388 | 0.388 | 0.017 | 2.75 | 0.046 |
| T12SS13 | T12 | E10 | 0.463 | 0.412 | 0.412 | 0.018 | 2.75 | 0.049 |
| T12SS14 | T12 | E11 | 0.228 | 0.177 | 0.177 | 0.007 | 2.75 | 0.019 |
| T12SS14 | T12 | E12 | 0.226 | 0.175 | 0.175 | 0.007 | 2.75 | 0.018 |
| 0 | T12 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS21 | T12 | F05 | 0.481 | 0.430 | 0.430 | 0.019 | 2.75 | 0.052 |
| T12SS21 | T12 | F06 | 0.487 | 0.436 | 0.436 | 0.019 | 2.75 | 0.053 |
| T12SS22 | T12 | F07 | 0.294 | 0.244 | 0.244 | 0.010 | 2.75 | 0.027 |
| T12SS22 | T12 | F08 | 0.226 | 0.175 | 0.175 | 0.007 | 2.75 | 0.018 |
| T12SS23 | T12 | F09 | 0.298 | 0.247 | 0.247 | 0.010 | 2.75 | 0.028 |
| T12SS23 | T12 | F10 | 0.299 | 0.248 | 0.248 | 0.010 | 2.75 | 0.028 |
| T12SS24 | T12 | F11 | 0.306 | 0.255 | 0.255 | 0.011 | 2.75 | 0.029 |
| T12SS24 | T12 | F12 | 0.308 | 0.257 | 0.257 | 0.011 | 2.75 | 0.029 |
| 0 | T12 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T12 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T12 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T12 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|--------|-----|-----|-------|-------|--------------|---------|------|---------|
| 0 | T13 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SN2 | T13 | D07 | 0.554 | 0.503 | 0.503 | 0.022 | 2.75 | 0.061 |
| T13SN2 | T13 | D08 | 0.540 | 0.489 | 0.489 | 0.022 | 2.75 | 0.059 |
| T13SN3 | T13 | D09 | 0.464 | 0.413 | 0.413 | 0.018 | 2.75 | 0.050 |
| T13SN3 | T13 | D10 | 0.471 | 0.420 | 0.420 | 0.018 | 2.75 | 0.051 |
| T13SN4 | T13 | D11 | 0.680 | 0.629 | 0.629 | 0.028 | 2.75 | 0.078 |
| T13SN4 | T13 | D12 | 0.708 | 0.657 | 0.657 | 0.030 | 2.75 | 0.081 |

Plate: T13

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | 0.554 | 0.540 | 0.464 | 0.471 | 0.680 | 0.708 |
| E | | | | | 0.472 | 0.430 | 0.233 | 0.247 | 0.137 | 0.142 | 0.228 | 0.235 |
| F | | | | | 0.320 | 0.258 | 0.191 | 0.220 | 0.250 | 0.250 | 0.294 | 0.305 |
| G | | | | | | | 0.050 | 0.050 | 0.053 | 0.051 | 0.051 | 0.050 |
| H | | | | | | | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | T13SN2 | T13SN2 | T13SN3 | T13SN3 | T13SN4 | T13SN4 | |
| E | | | | | T13SS11 | T13SS11 | T13SS12 | T13SS12 | T13SS13 | T13SS13 | T13SS14 | T13SS14 |
| F | | | | | T13SS21 | T13SS21 | T13SS22 | T13SS22 | T13SS23 | T13SS23 | T13SS24 | T13SS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date Operator Date Control

| | | | | | |
|--------------------|--------------|----------------------------|-------------------------|-------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (Instrument meth) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| cold substance | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| n.a. | name | LDH | ACB-ID of cocktail | | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PE | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| | | | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|------|------|---------|-----------------------|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | Blank subtraction | [µg/mL] | [%] | |
| KLP1 | 0.148 | 1.579 | 1.652 | 1.627 | 1.62 | 0.03 | 1.87 | 0.047 | 1.568 | 0.148 | -0.24 | 0.00 |
| KLP2 | 0.114 | 1.357 | 1.443 | 1.372 | 1.39 | 0.04 | 2.70 | 0.054 | 1.340 | 0.110 | -3.40 | 0.00 |
| KLP3 | 0.074 | 1.272 | 1.193 | 1.228 | 1.23 | 0.03 | 2.63 | 0.051 | 1.180 | 0.084 | 13.04 | 0.01 |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.94 | 0.04 | 4.19 | 0.051 | 0.887 | 0.035 | -13.32 | -0.01 |
| KLP5 | | | | | | | | 0.052 | | | | |
| KLP6 | | | | | | | | 0.051 | | | | |
| KLP7 | | | | | | | | | | | | |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|-------------|
| Geradensteigung | Slope | m | 6.05 |
| Y-Achsenabschnitt | Y-intercept | b | 0.67 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.620291227 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.063894294 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.006578604 |
| Bereichsmittle | | f | 0.094336926 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 8.722319627 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 3.384093228 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.946914615 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | 0.398761518 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9897 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9794 |
| Reststandardabweichung | | S ₀ | 0.050310948 |
| Summe Restquadrat | | sd | 2.895683345 |
| Verfahrensstandardabw. | | S _{0p} | 0.008311454 |
| Rel. Verfahrensstandardabw. % | | V _{0p} | 8.810393374 |

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0 |
| x ² SD (LOD) | 0 |
| LLOQ (AU) | 0 |
| LOD (AU) | 0 |
| LLOQ | 1.568 |
| LLOQ (Lin) | 0.887 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date

Operator

Date

Control

Figure 1 Linearity

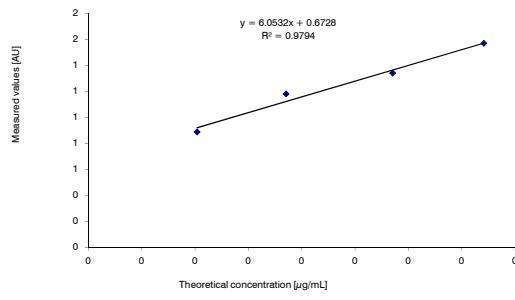
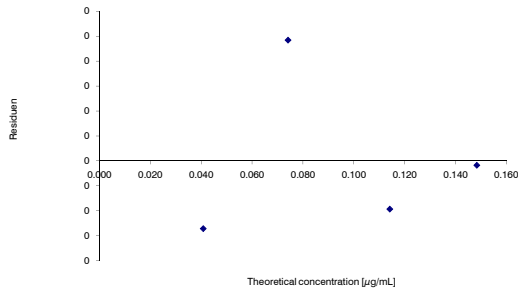


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T12 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SN2 | T12 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SN2 | T12 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SN3 | T12 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SN3 | T12 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SN4 | T12 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SN4 | T12 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T12

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | |
| A | | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | | | |
| E | | | | | | | | T12SN2 | T12SN2 | T12SN3 | T12SN3 | T12SN4 | T12SN4 | | |
| F | | | | | | | | T12SS11 | T12SS11 | T12SS12 | T12SS12 | T12SS13 | T12SS13 | T12SS14 | T12SS14 |
| G | | | | | | | | T12SS21 | T12SS21 | T12SS22 | T12SS22 | T12SS23 | T12SS23 | T12SS24 | T12SS24 |
| H | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |

Comment:
alle Messwerte bei lin low

Samples aufgeteilt in lin high und low;niedriger konzentrierte Samples bei lin low zu finden.

Date Operator Date Control

| | | | | | | | | |
|--------------|-----|-----|-------|--------|--------------|---------|------|---------|
| 0 | T12 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS11 | T12 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS11 | T12 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS12 | T12 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS12 | T12 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS13 | T12 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS13 | T12 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS14 | T12 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS14 | T12 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS21 | T12 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS21 | T12 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS22 | T12 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS22 | T12 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS23 | T12 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS23 | T12 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS24 | T12 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12SS24 | T12 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T12 | G07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G11 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T12 | G12 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T12 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T12 | H07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H11 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T12 | H12 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | |
|--------|-----|-----|---|--------------|---------|---|---------|
| 0 | T13 | A01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | A12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | B12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | C12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | D06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SN2 | T13 | D07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SN2 | T13 | D08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SN3 | T13 | D09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SN3 | T13 | D10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SN4 | T13 | D11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SN4 | T13 | D12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T13

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------|
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | T13SN2 | T13SN2 | T13SN3 | T13SN3 | T13SN4 | T13SN4 |
| E | | | | | T13SS11 | T13SS11 | T13SS12 | T13SS12 | T13SS13 | T13SS13 | T13SS14 | T13SS14 | |
| F | | | | | T13SS21 | T13SS21 | T13SS22 | T13SS22 | T13SS23 | T13SS23 | T13SS24 | T13SS24 | |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | |

Comment:

alle Messwerte bei lin low

Date Operator Date Control

| | | | | | | | | |
|--------------|-----|-----|---|---|--------------|---------|---|---------|
| 0 | T13 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS11 | T13 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS11 | T13 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS12 | T13 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS12 | T13 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS13 | T13 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS13 | T13 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS14 | T13 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS14 | T13 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS21 | T13 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS21 | T13 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS22 | T13 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS22 | T13 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS23 | T13 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS23 | T13 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS24 | T13 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T13SS24 | T13 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T13 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T13 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T13 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T13 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T13 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T13 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T13 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T13 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T13 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T13 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T13 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T13 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T13 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T14

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | T14SS11 | T14SS11 | T14SN2 | T14SN2 | T14SN3 | T14SN3 | T14SN4 | T14SN4 |
| F | | | | | T14SS21 | T14SS21 | T14SS22 | T14SS22 | T14SS23 | T14SS23 | T14SS24 | T14SS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.447 | 1.739 | | 1.170 | | | | | | 0.667 | 0.440 | 0.043 |
| 1.447 | 1.332 | | 1.392 | 0.137 | 0.146 | 0.130 | 0.138 | 0.109 | 0.729 | 0.478 | 0.042 |
| 1.391 | 1.281 | | 1.311 | 0.204 | 0.184 | 0.184 | 0.198 | 0.201 | 0.743 | 0.474 | 0.043 |
| 0.961 | 0.835 | | 1.405 | 0.336 | 0.347 | 0.375 | 0.387 | 0.300 | 0.824 | 0.483 | 0.044 |
| 0.445 | 0.441 | | 1.280 | 1.085 | 1.086 | 1.218 | 1.004 | 0.873 | 0.704 | 0.457 | 0.041 |
| 0.355 | 0.315 | | 1.332 | 1.768 | 1.925 | 1.753 | 1.739 | 1.606 | | | 0.036 |
| 0.223 | 0.188 | 1.666 | 1.499 | 1.632 | | 0.048 | 0.046 | 0.047 | 0.048 | 0.048 | 0.048 |
| 0.118 | 0.106 | 1.556 | 1.622 | 1.573 | | 0.047 | 0.054 | 0.051 | 0.051 | 0.052 | 0.051 |

1

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.652 | 1.627 | | 1.188 | 0.748 | 0.811 | 0.764 | 0.753 | 0.674 | 0.751 | 0.529 | 0.044 |
| 1.443 | 1.372 | | 1.364 | 0.139 | 0.147 | 0.131 | 0.139 | 0.110 | 0.811 | 0.561 | 0.043 |
| 1.377 | 1.281 | | 1.284 | 0.206 | 0.189 | 0.184 | 0.200 | 0.202 | 0.821 | 0.560 | 0.044 |
| 0.972 | 0.883 | | 1.387 | 0.339 | 0.349 | 0.386 | 0.406 | 0.312 | 0.903 | 0.565 | 0.044 |
| 0.484 | 0.474 | | 1.298 | 1.087 | 1.113 | 1.203 | 1.022 | 0.903 | 0.790 | 0.544 | 0.042 |
| 0.359 | 0.326 | | 1.308 | 1.622 | 1.622 | 1.630 | 1.625 | 1.550 | | | 0.037 |
| 0.228 | 0.199 | 1.527 | 1.373 | 1.462 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.109 | 1.473 | 1.410 | 1.371 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

2

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.579 | 1.475 | | 1.150 | 1.210 | 1.303 | 1.202 | 1.219 | 1.125 | 0.759 | 0.549 | 0.043 |
| 1.357 | 1.303 | | 1.283 | 0.140 | 0.148 | 0.131 | 0.139 | 0.111 | 0.820 | 0.575 | 0.043 |
| 1.323 | 1.228 | | 1.227 | 0.206 | 0.188 | 0.184 | 0.198 | 0.201 | 0.824 | 0.579 | 0.043 |
| 0.959 | 0.872 | | 1.321 | 0.339 | 0.348 | 0.387 | 0.406 | 0.314 | 0.909 | 0.580 | 0.044 |
| 0.483 | 0.473 | | 1.270 | 1.069 | 1.103 | 1.181 | 1.017 | 0.903 | 0.798 | 0.560 | 0.042 |
| 0.360 | 0.326 | | 1.270 | 1.497 | 1.448 | 1.496 | 1.494 | 1.449 | | | 0.037 |
| 0.228 | 0.199 | 1.374 | 1.262 | 1.314 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.346 | 1.262 | 1.253 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

3

| | | | | | | | | | | | |
|-------|-------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.511 | 1.369 | | | 1.538 | 1.712 | 1.528 | 1.502 | 1.425 | | | 0.043 |
| 1.296 | 1.261 | | | | | | | | | | 0.043 |
| 1.272 | 1.193 | | | | | | | | | | 0.043 |
| 0.947 | 0.859 | | | | | | | | | | 0.044 |
| 0.481 | 0.471 | | | | | | | | | | 0.042 |
| 0.361 | 0.325 | | | | | | | | | | 0.037 |
| 0.229 | 0.199 | | | | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.047 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

4

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.493 | 1.317 | 1.678 | 1.110 | 1.621 | 1.807 | 1.618 | 1.584 | 1.508 | 0.765 | 0.597 | 0.043 |
| 1.259 | 1.238 | 1.850 | 1.197 | 0.139 | 0.150 | 0.132 | 0.139 | 0.111 | 0.821 | 0.588 | 0.043 |
| 1.248 | 1.175 | 1.816 | 1.153 | 0.204 | 0.188 | 0.184 | 0.197 | 0.199 | 0.831 | 0.599 | 0.044 |
| 0.943 | 0.859 | 1.970 | 1.231 | 0.338 | 0.357 | 0.386 | 0.406 | 0.316 | 0.916 | 0.595 | 0.044 |
| 0.480 | 0.470 | 2.220 | 1.220 | 1.054 | 1.088 | 1.154 | 1.006 | 0.902 | 0.805 | 0.579 | 0.042 |
| 0.359 | 0.325 | 2.149 | 1.211 | 1.395 | 1.324 | 1.348 | 1.345 | 1.317 | 0.037 | 0.037 | 0.037 |
| 0.228 | 0.199 | 1.240 | 1.151 | 1.183 | 0.034 | 0.049 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.223 | 1.132 | 1.146 | 0.038 | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

5

| | | | | | | | | | | | |
|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.434 | 1.258 | | 1.090 | 1.648 | 1.876 | 1.649 | 1.627 | 1.535 | | | |
| 1.217 | 1.201 | | 1.149 | | | | | | | | |
| 1.205 | 1.143 | | 1.109 | | | | | | | | |
| 0.935 | 0.845 | | 1.182 | | | | | | | | |
| 0.477 | 0.469 | | 1.181 | | | | | | | | |
| 0.360 | 0.323 | | 1.167 | | | | | | | | |
| 0.229 | 0.200 | | | | | 0.049 | 0.047 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

6

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.013 | 0.810 | | 0.668 | 0.808 | 0.940 | 0.720 | 0.798 | 0.687 | 0.904 | 0.845 | 0.043 |
| 0.709 | 0.827 | | 0.703 | 0.142 | 0.156 | 0.136 | 0.137 | 0.116 | 0.990 | 0.846 | 0.042 |
| 0.682 | 0.692 | | 0.680 | 0.197 | 0.188 | 0.190 | 0.191 | 0.184 | 1.023 | 0.861 | 0.043 |
| 0.507 | 0.519 | | 0.740 | 0.316 | 0.264 | 0.364 | 0.377 | 0.312 | 1.111 | 0.870 | 0.043 |
| 0.394 | 0.406 | | 0.682 | 0.580 | 0.561 | 0.600 | 0.529 | 0.563 | 0.962 | 0.834 | 0.042 |
| 0.333 | 0.322 | | 0.661 | 0.995 | 0.930 | 0.848 | 0.832 | 0.797 | 0.037 | 0.037 | 0.037 |
| 0.229 | 0.201 | 0.843 | 0.679 | 0.732 | | 0.048 | 0.046 | 0.047 | | | 0.047 |
| 0.124 | 0.111 | 0.773 | 0.682 | 0.701 | | 0.047 | 0.053 | 0.051 | 0.051 | 0.052 | 0.051 |

7

skin cultivation

| | | | | | |
|--------------------|--------------|------------------------------|----------------------|---------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (Instrument method) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope name | n.a. | File name (results) | IsBa_180419/20_LDH_full.v | Date of measurement |
| | ACB-ID | n.a. | Kind of well plate | 96 well | shaking time [min] |
| | Batch number | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| cold substance | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| | name | LDH | ACB-ID of cocktail | n.a. | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PEG | Remarks |
| | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| n.a. | n.a. | Pipettes (No. / volume) | 50-200µl | Remarks | KLP4 common for both |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|-------|------|---------|---|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | | | | | | | | 0.047 | | | | |
| KLP2 | | | | | | | | 0.054 | | | | |
| KLP3 | | | | | | | | 0.051 | | | | |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.938 | 0.04 | 4.19 | 0.051 | 0.887 | 0.041 | -0.57 | 0.00 |
| KLP5 | 0.018 | 0.483 | 0.484 | 0.474 | 0.480 | 0.00 | 0.98 | 0.052 | 0.429 | 0.019 | 2.42 | 0.00 |
| KLP6 | 0.012 | 0.360 | 0.359 | 0.326 | 0.348 | 0.02 | 4.54 | 0.051 | 0.297 | 0.013 | 5.00 | 0.00 |
| KLP7 | 0.007 | 0.228 | 0.228 | 0.199 | 0.218 | 0.014 | 6.35 | | 0.168 | 0.006 | -11.29 | 0.00 |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|--------------|
| Geradensteigung | Slope | m | 21.03 |
| Y-Achsenabschnitt | Y-intercept | b | 0.03 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.64805501 |
| Standardabw. Achsenabschnittes | SD-Y-intercept | S _b | 0.015177452 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.000664048 |
| Bereichsmittle | | | 0.019557193 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 23.81763508 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 18.24046944 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.099335829 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | -0.031281327 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9991 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9981 |
| Reststandardabweichung | | S ₀ | 0.01669983 |
| Summe Restquadrate | | sd | 0.657385838 |
| Verfahrensstandardabw. | | S ₀₀ | 0.000794131 |
| Rel. Verfahrensstandardabw. % | | V ₀₀ | 4.060559029 |

Berichten

| | |
|------------------|--------------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x*SD (LLOQ) | 0.01 |
| x*SD (LOD) | 0.01 |
| LLOQ (AU) | 0.061 |
| LOD (AU) | 0.057 |
| ULOQ | 0.887 |
| LLOQ (Lin) | 0.168 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Figure 1 Linearity

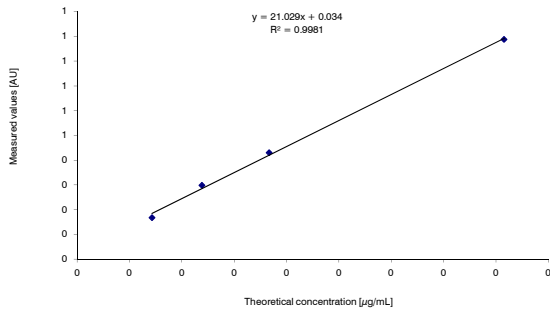
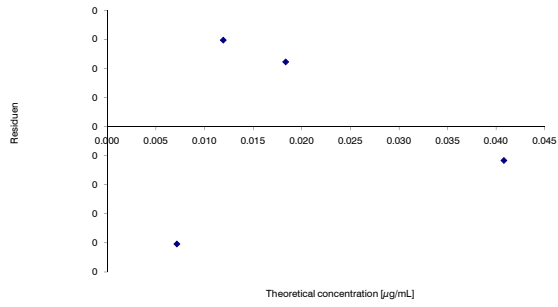


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed.

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T0/T1 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIN1 | T0/T1 | A05 | 0.799 | 0.748 | 0.748 | 0.034 | 30.25 | 1.026 |
| TOKIN1 | T0/T1 | A06 | 0.787 | 0.736 | 0.736 | 0.033 | 30.25 | 1.010 |
| TOKIN2 | T0/T1 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIN2 | T0/T1 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIN3 | T0/T1 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIN3 | T0/T1 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIN4 | T0/T1 | A11 | 0.192 | 0.141 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| TOKIN4 | T0/T1 | A12 | 0.198 | 0.147 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T0/T1 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS11 | T0/T1 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS11 | T0/T1 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS12 | T0/T1 | B07 | 0.343 | 0.292 | 0.292 | 0.012 | 30.25 | 0.372 |
| TOKIS12 | T0/T1 | B08 | 0.772 | 0.721 | 0.721 | 0.033 | 30.25 | 0.988 |
| TOKIS13 | T0/T1 | B09 | 0.624 | 0.573 | 0.573 | 0.026 | 30.25 | 0.776 |
| TOKIS13 | T0/T1 | B10 | 0.875 | 0.824 | 0.824 | 0.038 | 30.25 | 1.136 |
| TOKIS14 | T0/T1 | B11 | 0.228 | 0.177 | 0.177 | 0.007 | 2.75 | 0.019 |
| TOKIS14 | T0/T1 | B12 | 0.278 | 0.227 | 0.227 | 0.009 | 2.75 | 0.025 |
| 0 | T0/T1 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS21 | T0/T1 | C05 | 0.616 | 0.565 | 0.565 | 0.025 | 30.25 | 0.763 |
| TOKIS21 | T0/T1 | C06 | 0.793 | 0.742 | 0.742 | 0.034 | 30.25 | 1.018 |
| TOKIS22 | T0/T1 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS22 | T0/T1 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS23 | T0/T1 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS23 | T0/T1 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS24 | T0/T1 | C11 | 0.173 | 0.122 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| TOKIS24 | T0/T1 | C12 | 0.188 | 0.137 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T0/T1 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIN1 | T0/T1 | D05 | 0.461 | 0.410 | 0.410 | 0.018 | 27.5 | 0.491 |
| T1KIN1 | T0/T1 | D06 | 0.435 | 0.384 | 0.384 | 0.017 | 27.5 | 0.458 |
| T1KIN2 | T0/T1 | D07 | 0.387 | 0.336 | 0.336 | 0.014 | 27.5 | 0.395 |
| T1KIN2 | T0/T1 | D08 | 0.371 | 0.320 | 0.320 | 0.014 | 27.5 | 0.374 |
| T1KIN3 | T0/T1 | D09 | 0.386 | 0.335 | 0.335 | 0.014 | 27.5 | 0.393 |
| T1KIN3 | T0/T1 | D10 | 0.389 | 0.338 | 0.338 | 0.014 | 27.5 | 0.397 |
| T1KIN4 | T0/T1 | D11 | 0.128 | 0.077 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T1KIN4 | T0/T1 | D12 | 0.131 | 0.080 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

Plate: T0/T1

| Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| A | | | | 0.799 | 0.787 | | | | | | | 0.192 | 0.198 |
| B | | | | | | 0.343 | 0.772 | 0.624 | 0.875 | 0.228 | 0.278 | | |
| C | | | | 0.616 | 0.793 | | | | | 0.173 | 0.188 | | |
| D | | | | 0.461 | 0.435 | 0.387 | 0.371 | 0.386 | 0.389 | 0.128 | 0.131 | | |
| E | | | | 0.644 | 0.656 | 0.482 | 0.491 | 0.431 | 0.422 | 0.171 | 0.166 | | |
| F | | | | 0.150 | 0.150 | 0.189 | 0.191 | 0.155 | 0.154 | 0.055 | 0.127 | | |
| G | | | | | | | | 0.050 | 0.051 | 0.049 | 0.045 | 0.047 | 0.049 |
| H | | | | | | | | 0.049 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 |

| Plattenbelegung | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------------|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | TOKIN1 | TOKIN1 | TOKIN2 | TOKIN2 | TOKIN3 | TOKIN3 | TOKIN4 | TOKIN4 |
| B | | | | | TOKIS11 | TOKIS11 | TOKIS12 | TOKIS12 | TOKIS13 | TOKIS13 | TOKIS14 | TOKIS14 |
| C | | | | | TOKIS21 | TOKIS21 | TOKIS22 | TOKIS22 | TOKIS23 | TOKIS23 | TOKIS24 | TOKIS24 |
| D | | | | | T1KIN1 | T1KIN1 | T1KIN2 | T1KIN2 | T1KIN3 | T1KIN3 | T1KIN4 | T1KIN4 |
| E | | | | | T1KIS11 | T1KIS11 | T1KIS12 | T1KIS12 | T1KIS13 | T1KIS13 | T1KIS14 | T1KIS14 |
| F | | | | | T1KIS21 | T1KIS21 | T1KIS22 | T1KIS22 | T1KIS23 | T1KIS23 | T1KIS24 | T1KIS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Samples aufgeteilt in lin high und low.höher konzentrierte Samples bei lin high zu finden.

Comment: T0 dil.11*dil2,75=dil.30,25
T1 dil.10*dil2,75=dil.27,5

Date Operator

Date Control

| | | | | | | | | |
|--------------|-------|-----|-------|-------|--------------|---------|------|---------|
| 0 | T0/T1 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS11 | T0/T1 | E05 | 0.644 | 0.593 | 0.593 | 0.027 | 27.5 | 0.731 |
| T1KIS11 | T0/T1 | E06 | 0.656 | 0.605 | 0.605 | 0.027 | 27.5 | 0.747 |
| T1KIS12 | T0/T1 | E07 | 0.482 | 0.432 | 0.432 | 0.019 | 27.5 | 0.520 |
| T1KIS12 | T0/T1 | E08 | 0.491 | 0.440 | 0.440 | 0.019 | 27.5 | 0.531 |
| T1KIS13 | T0/T1 | E09 | 0.431 | 0.380 | 0.380 | 0.016 | 27.5 | 0.452 |
| T1KIS13 | T0/T1 | E10 | 0.422 | 0.371 | 0.371 | 0.016 | 27.5 | 0.441 |
| T1KIS14 | T0/T1 | E11 | 0.171 | 0.120 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T1KIS14 | T0/T1 | E12 | 0.166 | 0.115 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T0/T1 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS21 | T0/T1 | F05 | 0.150 | 0.099 | kleiner LLOQ | #VALUE! | 27.5 | #VALUE! |
| T1KIS21 | T0/T1 | F06 | 0.150 | 0.099 | kleiner LLOQ | #VALUE! | 27.5 | #VALUE! |
| T1KIS22 | T0/T1 | F07 | 0.189 | 0.138 | kleiner LLOQ | #VALUE! | 27.5 | #VALUE! |
| T1KIS22 | T0/T1 | F08 | 0.191 | 0.140 | kleiner LLOQ | #VALUE! | 27.5 | #VALUE! |
| T1KIS23 | T0/T1 | F09 | 0.155 | 0.104 | kleiner LLOQ | #VALUE! | 27.5 | #VALUE! |
| T1KIS23 | T0/T1 | F10 | 0.154 | 0.103 | kleiner LLOQ | #VALUE! | 27.5 | #VALUE! |
| T1KIS24 | T0/T1 | F11 | 0.055 | 0.005 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T1KIS24 | T0/T1 | F12 | 0.127 | 0.076 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T0/T1 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T0/T1 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0/T1 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0/T1 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0/T1 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0/T1 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0/T1 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T0/T1 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T0/T1 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0/T1 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0/T1 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0/T1 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0/T1 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0/T1 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|---------|-------|-----|-------|-------|--------------|---------|-------|---------|
| 0 | T2/T3 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T2KIN1 | T2/T3 | A05 | 1 | 0.455 | 0.455 | 0.020 | 24.75 | 0.496 |
| T2KIN1 | T2/T3 | A06 | 1 | 0.468 | 0.468 | 0.021 | 24.75 | 0.510 |
| T2KIN2 | T2/T3 | A07 | 0 | 0.425 | 0.425 | 0.019 | 24.75 | 0.460 |
| T2KIN2 | T2/T3 | A08 | 0 | 0.441 | 0.441 | 0.019 | 24.75 | 0.479 |
| T2KIN3 | T2/T3 | A09 | 0 | 0.437 | 0.437 | 0.019 | 24.75 | 0.475 |
| T2KIN3 | T2/T3 | A10 | 0 | 0.443 | 0.443 | 0.019 | 24.75 | 0.481 |
| T2KIN4 | T2/T3 | A11 | 0 | 0.042 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T2KIN4 | T2/T3 | A12 | 0 | 0.028 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T2/T3 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T2KIS11 | T2/T3 | B05 | 0.618 | 0.567 | 0.567 | 0.025 | 24.75 | 0.628 |
| T2KIS11 | T2/T3 | B06 | 0.641 | 0.590 | 0.590 | 0.026 | 24.75 | 0.655 |
| T2KIS12 | T2/T3 | B07 | 0.569 | 0.518 | 0.518 | 0.023 | 24.75 | 0.569 |
| T2KIS12 | T2/T3 | B08 | 0.559 | 0.508 | 0.508 | 0.023 | 24.75 | 0.558 |
| T2KIS13 | T2/T3 | B09 | 0.545 | 0.494 | 0.494 | 0.022 | 24.75 | 0.541 |
| T2KIS13 | T2/T3 | B10 | 0.530 | 0.479 | 0.479 | 0.021 | 24.75 | 0.524 |
| T2KIS14 | T2/T3 | B11 | 0.074 | 0.023 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T2KIS14 | T2/T3 | B12 | 0.075 | 0.024 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T2/T3 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T2KIS21 | T2/T3 | C05 | 0.509 | 0.458 | 0.458 | 0.020 | 24.75 | 0.499 |
| T2KIS21 | T2/T3 | C06 | 0.518 | 0.467 | 0.467 | 0.021 | 24.75 | 0.510 |
| T2KIS22 | T2/T3 | C07 | 0.600 | 0.550 | 0.550 | 0.025 | 24.75 | 0.607 |
| T2KIS22 | T2/T3 | C08 | 0.610 | 0.560 | 0.560 | 0.025 | 24.75 | 0.618 |
| T2KIS23 | T2/T3 | C09 | 0.451 | 0.400 | 0.400 | 0.017 | 24.75 | 0.430 |
| T2KIS23 | T2/T3 | C10 | 0.451 | 0.400 | 0.400 | 0.017 | 24.75 | 0.431 |
| T2KIS24 | T2/T3 | C11 | 0.079 | 0.028 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T2KIS24 | T2/T3 | C12 | 0.079 | 0.028 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T2/T3 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3KIN1 | T2/T3 | D05 | 0.374 | 0.324 | 0.324 | 0.014 | 16.5 | 0.227 |
| T3KIN1 | T2/T3 | D06 | 0.374 | 0.323 | 0.323 | 0.014 | 16.5 | 0.227 |
| T3KIN2 | T2/T3 | D07 | 0.407 | 0.356 | 0.356 | 0.015 | 16.5 | 0.253 |
| T3KIN2 | T2/T3 | D08 | 0.402 | 0.351 | 0.351 | 0.015 | 16.5 | 0.249 |
| T3KIN3 | T2/T3 | D09 | 0.280 | 0.229 | 0.229 | 0.009 | 16.5 | 0.153 |
| T3KIN3 | T2/T3 | D10 | 0.279 | 0.228 | 0.228 | 0.009 | 16.5 | 0.152 |
| T3KIN4 | T2/T3 | D11 | 0.065 | 0.014 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T3KIN4 | T2/T3 | D12 | 0.066 | 0.015 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

Plate: T2/T3

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | 0.506 | 0.519 | 0.476 | 0.492 | 0.488 | 0.493 | 0.093 | 0.079 |
| B | | | | | 0.618 | 0.641 | 0.569 | 0.559 | 0.545 | 0.530 | 0.074 | 0.075 |
| C | | | | | 0.509 | 0.518 | 0.600 | 0.610 | 0.451 | 0.451 | 0.079 | 0.079 |
| D | | | | | 0.374 | 0.374 | 0.407 | 0.402 | 0.280 | 0.279 | 0.065 | 0.066 |
| E | | | | | 0.169 | 0.170 | 0.393 | 0.405 | 0.376 | 0.386 | | |
| F | | | | | 0.293 | 0.279 | 0.365 | 0.371 | 0.193 | 0.200 | 0.062 | 0.061 |
| G | | | | | | | 0.050 | 0.050 | 0.048 | 0.050 | 0.050 | 0.050 |
| H | | | | | | | 0.050 | 0.049 | 0.051 | 0.050 | 0.050 | 0.050 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T2KIN1 | T2KIN1 | T2KIN2 | T2KIN2 | T2KIN3 | T2KIN3 | T2KIN4 | T2KIN4 |
| B | | | | | T2KIS11 | T2KIS11 | T2KIS12 | T2KIS12 | T2KIS13 | T2KIS13 | T2KIS14 | T2KIS14 |
| C | | | | | T2KIS21 | T2KIS21 | T2KIS22 | T2KIS22 | T2KIS23 | T2KIS23 | T2KIS24 | T2KIS24 |
| D | | | | | T3KIN1 | T3KIN1 | T3KIN2 | T3KIN2 | T3KIN3 | T3KIN3 | T3KIN4 | T3KIN4 |
| E | | | | | T3KIS11 | T3KIS11 | T3KIS12 | T3KIS12 | T3KIS13 | T3KIS13 | | |
| F | | | | | T3KIS21 | T3KIS21 | T3KIS22 | T3KIS22 | T3KIS23 | T3KIS23 | T3KIS24 | T3KIS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

T2 dil.9*dil.2,75=dil.24,75
T3 dil.6*dil.2,75=dil.16,5

Comment:

Probe von T3KIS14 fehlt, daher nicht gemessen

Date Operator Date Control

| | | | | | | | | |
|--------------|-------|-----|-------|---------|--------------|---------|------|---------|
| 0 | T2/T3 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3KIS11 | T2/T3 | E05 | 0.169 | 0.118 | kleiner LLOQ | #VALUE! | 16.5 | #VALUE! |
| T3KIS11 | T2/T3 | E06 | 0.170 | 0.119 | kleiner LLOQ | #VALUE! | 16.5 | #VALUE! |
| T3KIS12 | T2/T3 | E07 | 0.393 | 0.342 | 0.342 | 0.015 | 16.5 | 0.242 |
| T3KIS12 | T2/T3 | E08 | 0.405 | 0.354 | 0.354 | 0.015 | 16.5 | 0.251 |
| T3KIS13 | T2/T3 | E09 | 0.376 | 0.325 | 0.325 | 0.014 | 16.5 | 0.228 |
| T3KIS13 | T2/T3 | E10 | 0.386 | 0.335 | 0.335 | 0.014 | 16.5 | 0.237 |
| 0 | T2/T3 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | E12 | 0 | #VALUE! | #VALUE! | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T3KIS21 | T2/T3 | F05 | 0.293 | 0.242 | 0.242 | 0.010 | 16.5 | 0.163 |
| T3KIS21 | T2/T3 | F06 | 0.279 | 0.228 | 0.228 | 0.009 | 16.5 | 0.152 |
| T3KIS22 | T2/T3 | F07 | 0.365 | 0.314 | 0.314 | 0.013 | 16.5 | 0.220 |
| T3KIS22 | T2/T3 | F08 | 0.371 | 0.320 | 0.320 | 0.014 | 16.5 | 0.224 |
| T3KIS23 | T2/T3 | F09 | 0.193 | 0.142 | kleiner LLOQ | #VALUE! | 16.5 | #VALUE! |
| T3KIS23 | T2/T3 | F10 | 0.200 | 0.149 | kleiner LLOQ | #VALUE! | 16.5 | #VALUE! |
| T3KIS24 | T2/T3 | F11 | 0.062 | 0.012 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T3KIS24 | T2/T3 | F12 | 0.061 | 0.010 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T2/T3 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T2/T3 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T2/T3 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T2/T3 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T2/T3 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T2/T3 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T2/T3 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T2/T3 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T2/T3 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T2/T3 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T2/T3 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T2/T3 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T2/T3 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T2/T3 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T2/T3 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|---------|-------|-----|-------|-------|--------------|---------|------|---------|
| 0 | T4/T5 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4KIIN1 | T4/T5 | A05 | 0.447 | 0.396 | 0.396 | 0.017 | 8.25 | 0.142 |
| T4KIIN1 | T4/T5 | A06 | 0.456 | 0.405 | 0.405 | 0.018 | 8.25 | 0.146 |
| T4KIIN2 | T4/T5 | A07 | 0.457 | 0.407 | 0.407 | 0.018 | 8.25 | 0.146 |
| T4KIIN2 | T4/T5 | A08 | 0.463 | 0.412 | 0.412 | 0.018 | 8.25 | 0.148 |
| T4KIIN3 | T4/T5 | A09 | 0.586 | 0.536 | 0.536 | 0.024 | 2.75 | 0.066 |
| T4KIIN3 | T4/T5 | A10 | 0.600 | 0.549 | 0.549 | 0.025 | 2.75 | 0.067 |
| T4KIIN4 | T4/T5 | A11 | 0.072 | 0.021 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T4KIIN4 | T4/T5 | A12 | 0.072 | 0.021 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T4/T5 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4KIS11 | T4/T5 | B05 | 0.284 | 0.233 | 0.233 | 0.009 | 8.25 | 0.078 |
| T4KIS11 | T4/T5 | B06 | 0.281 | 0.230 | 0.230 | 0.009 | 8.25 | 0.077 |
| T4KIS12 | T4/T5 | B07 | 0.290 | 0.239 | 0.239 | 0.010 | 2.75 | 0.027 |
| T4KIS12 | T4/T5 | B08 | 0.292 | 0.241 | 0.241 | 0.010 | 2.75 | 0.027 |
| T4KIS13 | T4/T5 | B09 | 0.692 | 0.641 | 0.641 | 0.029 | 2.75 | 0.079 |
| T4KIS13 | T4/T5 | B10 | 0.864 | 0.813 | 0.813 | 0.037 | 2.75 | 0.102 |
| T4KIS14 | T4/T5 | B11 | 0.065 | 0.014 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T4KIS14 | T4/T5 | B12 | 0.065 | 0.014 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T4/T5 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T4KIS21 | T4/T5 | C05 | 0.415 | 0.364 | 0.364 | 0.016 | 2.75 | 0.043 |
| T4KIS21 | T4/T5 | C06 | 0.429 | 0.379 | 0.379 | 0.016 | 2.75 | 0.045 |
| T4KIS22 | T4/T5 | C07 | 0.475 | 0.424 | 0.424 | 0.019 | 2.75 | 0.051 |
| T4KIS22 | T4/T5 | C08 | 0.532 | 0.481 | 0.481 | 0.021 | 2.75 | 0.058 |
| T4KIS23 | T4/T5 | C09 | 0.663 | 0.612 | 0.612 | 0.027 | 2.75 | 0.076 |
| T4KIS23 | T4/T5 | C10 | 0.665 | 0.614 | 0.614 | 0.028 | 2.75 | 0.076 |
| T4KIS24 | T4/T5 | C11 | 0.061 | 0.010 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T4KIS24 | T4/T5 | C12 | 0.061 | 0.010 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T4/T5 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5KIIN1 | T4/T5 | D05 | 0 | 0.342 | 0.342 | 0.015 | 2.75 | 0.040 |
| T5KIIN1 | T4/T5 | D06 | 0 | 0.333 | 0.333 | 0.014 | 2.75 | 0.039 |
| T5KIIN2 | T4/T5 | D07 | 1 | 0.561 | 0.561 | 0.025 | 2.75 | 0.069 |
| T5KIIN2 | T4/T5 | D08 | 1 | 0.556 | 0.556 | 0.025 | 2.75 | 0.068 |
| T5KIIN3 | T4/T5 | D09 | 0 | 0.308 | 0.308 | 0.013 | 2.75 | 0.036 |

Plate: T4/T5

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | 0.447 | 0.456 | 0.457 | 0.463 | 0.586 | 0.600 | 0.072 | 0.072 |
| B | | | | | 0.284 | 0.281 | 0.290 | 0.292 | 0.692 | 0.864 | 0.065 | 0.065 |
| C | | | | | 0.415 | 0.429 | 0.475 | 0.532 | 0.663 | 0.665 | 0.061 | 0.061 |
| D | | | | | 0.393 | 0.384 | 0.612 | 0.607 | 0.359 | 0.425 | 0.059 | 0.058 |
| E | | | | | 0.184 | 0.278 | 0.529 | 0.715 | 0.218 | 0.232 | 0.059 | 0.059 |
| F | | | | | 0.496 | 0.489 | 0.103 | 0.201 | 0.106 | 0.120 | 0.054 | 0.054 |
| G | | | | | | | 0.050 | 0.050 | 0.051 | 0.050 | 0.050 | 0.050 |
| H | | | | | | | 0.050 | 0.050 | 0.050 | 0.048 | 0.049 | 0.049 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T4KIIN1 | T4KIIN1 | T4KIIN2 | T4KIIN2 | T4KIIN3 | T4KIIN3 | T4KIIN4 | T4KIIN4 |
| B | | | | | T4KIS11 | T4KIS11 | T4KIS12 | T4KIS12 | T4KIS13 | T4KIS13 | T4KIS14 | T4KIS14 |
| C | | | | | T4KIS21 | T4KIS21 | T4KIS22 | T4KIS22 | T4KIS23 | T4KIS23 | T4KIS24 | T4KIS24 |
| D | | | | | T5KIIN1 | T5KIIN1 | T5KIIN2 | T5KIIN2 | T5KIIN3 | T5KIIN3 | T5KIIN4 | T5KIIN4 |
| E | | | | | T5KIS11 | T5KIS11 | T5KIS12 | T5KIS12 | T5KIS13 | T5KIS13 | T5KIS14 | T5KIS14 |
| F | | | | | T5KIS21 | T5KIS21 | T5KIS22 | T5KIS22 | T5KIS23 | T5KIS23 | T5KIS24 | T5KIS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

dil.3*dil2,75=dil.8,25

Comment:

Date Operator Date Control

| | | | | | | | | |
|--------------|-------|-----|---|-------|--------------|---------|------|---------|
| T5KIIN3 | T4/T5 | D10 | 0 | 0.374 | 0.374 | 0.016 | 2,75 | 0.045 |
| T5KIIN4 | T4/T5 | D11 | 0 | 0.008 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T5KIIN4 | T4/T5 | D12 | 0 | 0.007 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| 0 | T4/T5 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5KIS11 | T4/T5 | E05 | 0 | 0.133 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T5KIS11 | T4/T5 | E06 | 0 | 0.227 | 0.227 | 0.009 | 2,75 | 0.025 |
| T5KIS12 | T4/T5 | E07 | 1 | 0.478 | 0.478 | 0.021 | 2,75 | 0.058 |
| T5KIS12 | T4/T5 | E08 | 1 | 0.664 | 0.664 | 0.030 | 2,75 | 0.082 |
| T5KIS13 | T4/T5 | E09 | 0 | 0.167 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T5KIS13 | T4/T5 | E10 | 0 | 0.181 | 0.181 | 0.007 | 2,75 | 0.019 |
| T5KIS14 | T4/T5 | E11 | 0 | 0.008 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T5KIS14 | T4/T5 | E12 | 0 | 0.008 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| 0 | T4/T5 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T5KIS21 | T4/T5 | F05 | 0 | 0.445 | 0.445 | 0.020 | 2,75 | 0.054 |
| T5KIS21 | T4/T5 | F06 | 0 | 0.438 | 0.438 | 0.019 | 2,75 | 0.053 |
| T5KIS22 | T4/T5 | F07 | 0 | 0.052 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T5KIS22 | T4/T5 | F08 | 0 | 0.150 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T5KIS23 | T4/T5 | F09 | 0 | 0.055 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T5KIS23 | T4/T5 | F10 | 0 | 0.069 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T5KIS24 | T4/T5 | F11 | 0 | 0.003 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T5KIS24 | T4/T5 | F12 | 0 | 0.003 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| 0 | T4/T5 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T4/T5 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T4/T5 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T4/T5 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T4/T5 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T4/T5 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T4/T5 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| 0 | T4/T5 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T4/T5 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T4/T5 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T4/T5 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T4/T5 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T4/T5 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T4/T5 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T4/T5 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |

| | | | | | | | | |
|---------|-------|-----|-------|-------|--------------|---------|------|---------|
| 0 | T6/T7 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6KIN1 | T6/T7 | A05 | 1 | 0.461 | 0.461 | 0.020 | 2.75 | 0.056 |
| T6KIN1 | T6/T7 | A06 | 0 | 0.417 | 0.417 | 0.018 | 2.75 | 0.050 |
| T6KIN2 | T6/T7 | A07 | 0 | 0.438 | 0.438 | 0.019 | 2.75 | 0.053 |
| T6KIN2 | T6/T7 | A08 | 1 | 0.496 | 0.496 | 0.022 | 2.75 | 0.060 |
| T6KIN3 | T6/T7 | A09 | 0 | 0.141 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T6KIN3 | T6/T7 | A10 | 0 | 0.154 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T6KIN4 | T6/T7 | A11 | 0 | 0.012 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T6KIN4 | T6/T7 | A12 | 0 | 0.019 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T6/T7 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6KIS11 | T6/T7 | B05 | 0.154 | 0.103 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T6KIS11 | T6/T7 | B06 | 0.226 | 0.175 | 0.175 | 0.007 | 2.75 | 0.018 |
| T6KIS12 | T6/T7 | B07 | 0.460 | 0.409 | 0.409 | 0.018 | 2.75 | 0.049 |
| T6KIS12 | T6/T7 | B08 | 0.263 | 0.212 | 0.212 | 0.008 | 2.75 | 0.023 |
| T6KIS13 | T6/T7 | B09 | 0.214 | 0.163 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T6KIS13 | T6/T7 | B10 | 0.401 | 0.350 | 0.350 | 0.015 | 2.75 | 0.041 |
| T6KIS14 | T6/T7 | B11 | 0.060 | 0.009 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T6KIS14 | T6/T7 | B12 | 0.059 | 0.009 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T6/T7 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T6KIS21 | T6/T7 | C05 | 0 | 0.345 | 0.345 | 0.015 | 2.75 | 0.041 |
| T6KIS21 | T6/T7 | C06 | 0 | 0.360 | 0.360 | 0.015 | 2.75 | 0.043 |
| T6KIS22 | T6/T7 | C07 | 0 | 0.115 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T6KIS22 | T6/T7 | C08 | 0 | 0.121 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T6KIS23 | T6/T7 | C09 | 0 | 0.077 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T6KIS23 | T6/T7 | C10 | 0 | 0.084 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T6KIS24 | T6/T7 | C11 | 0 | 0.005 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T6KIS24 | T6/T7 | C12 | 0 | 0.009 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T6/T7 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7KIN1 | T6/T7 | D05 | 0.443 | 0.392 | 0.392 | 0.017 | 2.75 | 0.047 |
| T7KIN1 | T6/T7 | D06 | 0.450 | 0.399 | 0.399 | 0.017 | 2.75 | 0.048 |
| T7KIN2 | T6/T7 | D07 | 0.369 | 0.319 | 0.319 | 0.014 | 2.75 | 0.037 |
| T7KIN2 | T6/T7 | D08 | 0.418 | 0.367 | 0.367 | 0.016 | 2.75 | 0.043 |
| T7KIN3 | T6/T7 | D09 | 0.111 | 0.060 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T7KIN3 | T6/T7 | D10 | 0.107 | 0.056 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T7KIN4 | T6/T7 | D11 | 0.057 | 0.006 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

Plate: T6/T7

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | 0.512 | 0.468 | 0.489 | 0.547 | 0.192 | 0.205 | 0.062 | 0.070 |
| B | | | | | 0.154 | 0.226 | 0.460 | 0.263 | 0.214 | 0.401 | 0.060 | 0.059 |
| C | | | | | 0.396 | 0.411 | 0.166 | 0.172 | 0.128 | 0.135 | 0.056 | 0.060 |
| D | | | | | 0.443 | 0.450 | 0.369 | 0.418 | 0.111 | 0.107 | 0.057 | 0.060 |
| E | | | | | 0.064 | 0.062 | 0.091 | 0.158 | 0.098 | 0.156 | 0.057 | 0.058 |
| F | | | | | 0.243 | 0.304 | 0.097 | 0.142 | 0.139 | 0.137 | 0.055 | 0.054 |
| G | | | | | | | 0.049 | 0.052 | 0.052 | 0.051 | 0.052 | 0.051 |
| H | | | | | | | 0.050 | 0.050 | 0.050 | 0.045 | 0.051 | 0.050 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | T6KIN1 | T6KIN1 | T6KIN2 | T6KIN2 | T6KIN3 | T6KIN3 | T6KIN4 | T6KIN4 |
| B | | | | | T6KIS11 | T6KIS11 | T6KIS12 | T6KIS12 | T6KIS13 | T6KIS13 | T6KIS14 | T6KIS14 |
| C | | | | | T6KIS21 | T6KIS21 | T6KIS22 | T6KIS22 | T6KIS23 | T6KIS23 | T6KIS24 | T6KIS24 |
| D | | | | | T7KIN1 | T7KIN1 | T7KIN2 | T7KIN2 | T7KIN3 | T7KIN3 | T7KIN4 | T7KIN4 |
| E | | | | | T7KIS11 | T7KIS11 | T7KIS12 | T7KIS12 | T7KIS13 | T7KIS13 | T7KIS14 | T7KIS14 |
| F | | | | | T7KIS21 | T7KIS21 | T7KIS22 | T7KIS22 | T7KIS23 | T7KIS23 | T7KIS24 | T7KIS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date Operator

Date Control

| | | | | | | | | |
|--------------|-------|-----|-------|-------|--------------|---------|------|---------|
| T7KIIN4 | T6/T7 | D12 | 0.060 | 0.009 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| 0 | T6/T7 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7KIS11 | T6/T7 | E05 | 0.06 | 0.01 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T7KIS11 | T6/T7 | E06 | 0.06 | 0.01 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T7KIS12 | T6/T7 | E07 | 0.09 | 0.04 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T7KIS12 | T6/T7 | E08 | 0.16 | 0.11 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T7KIS13 | T6/T7 | E09 | 0.10 | 0.05 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T7KIS13 | T6/T7 | E10 | 0.18 | 0.10 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T7KIS14 | T6/T7 | E11 | 0.08 | 0.01 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T7KIS14 | T6/T7 | E12 | 0.08 | 0.01 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| 0 | T6/T7 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T7KIS21 | T6/T7 | F05 | 0.243 | 0.193 | 0.193 | 0.008 | 2,75 | 0.021 |
| T7KIS21 | T6/T7 | F06 | 0.304 | 0.253 | 0.253 | 0.010 | 2,75 | 0.029 |
| T7KIS22 | T6/T7 | F07 | 0.097 | 0.046 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T7KIS22 | T6/T7 | F08 | 0.142 | 0.091 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T7KIS23 | T6/T7 | F09 | 0.139 | 0.088 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T7KIS23 | T6/T7 | F10 | 0.137 | 0.086 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T7KIS24 | T6/T7 | F11 | 0.055 | 0.004 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| T7KIS24 | T6/T7 | F12 | 0.054 | 0.003 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| 0 | T6/T7 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T6/T7 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T6/T7 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T6/T7 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T6/T7 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T6/T7 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank PEG | T6/T7 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| 0 | T6/T7 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T6/T7 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T6/T7 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T6/T7 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T6/T7 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T6/T7 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T6/T7 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |
| Blank no PEG | T6/T7 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2,75 | #VALUE! |

| | | | | | |
|--------------------|--------------|----------------------------|-------------------------|-------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (Instrument meth) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| cold substance | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| n.a. | name | LDH | ACB-ID of cocktail | | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PE | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| | | | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|------|------|---------|-----------------------|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | Blank subtraction | [µg/mL] | [%] | |
| KLP1 | 0.148 | 1.579 | 1.652 | 1.627 | 1.62 | 0.03 | 1.87 | 0.047 | 1.568 | 0.148 | -0.24 | 0.00 |
| KLP2 | 0.114 | 1.357 | 1.443 | 1.372 | 1.39 | 0.04 | 2.70 | 0.054 | 1.340 | 0.110 | -3.40 | 0.00 |
| KLP3 | 0.074 | 1.272 | 1.193 | 1.228 | 1.23 | 0.03 | 2.63 | 0.051 | 1.180 | 0.084 | 13.04 | 0.01 |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.94 | 0.04 | 4.19 | 0.051 | 0.887 | 0.035 | -13.32 | -0.01 |
| KLP5 | | | | | | | | 0.052 | | | | |
| KLP6 | | | | | | | | 0.051 | | | | |
| KLP7 | | | | | | | | | | | | |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|-------------|
| Geradensteigung | Slope | m | 6.05 |
| Y-Achsenabschnitt | Y-intercept | b | 0.67 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.620291227 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.063894294 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.006578604 |
| Bereichsmittle | | f | 0.094336926 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 8.722319627 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 3.384093228 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.946914615 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | 0.398761518 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9897 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9794 |
| Reststandardabweichung | | S ₀ | 0.050310948 |
| Summe Restquadrat | | sd | 2.895683345 |
| Verfahrensstandardabw. | | S _{0p} | 0.008311454 |
| Rel. Verfahrensstandardabw. % | | V _{0p} | 8.810393374 |

| | |
|-------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x*SD (LLOQ) | 0 |
| x*SD (LOD) | 0 |
| LLOQ (AU) | 0 |
| LOD (AU) | 0 |
| LLOQ | 1.568 |
| LLOQ (Lin) | 0.887 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date _____ Operator _____ Date _____ Control _____

Figure 1 Linearity

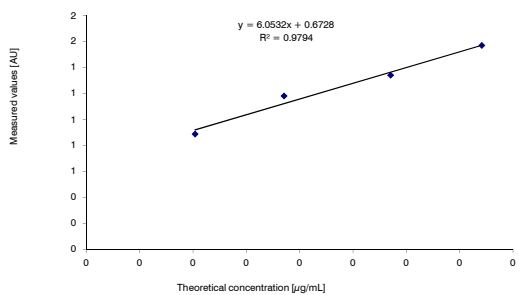
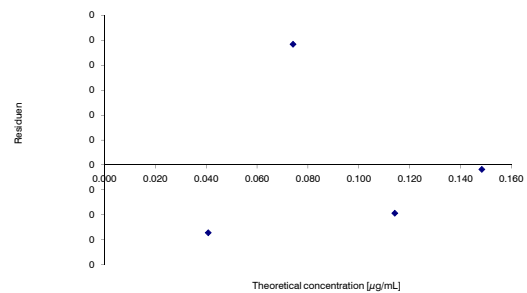


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed.

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU-Blank] | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T0/T1 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIN1 | T0/T1 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIN1 | T0/T1 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIN2 | T0/T1 | A07 | 0.982 | 0.931 | 0.931 | 0.043 | 30.25 | 1.289 |
| TOKIN2 | T0/T1 | A08 | 0.987 | 0.936 | 0.936 | 0.043 | 30.25 | 1.314 |
| TOKIN3 | T0/T1 | A09 | 0.954 | 0.903 | 0.903 | 0.038 | 30.25 | 1.149 |
| TOKIN3 | T0/T1 | A10 | 1.024 | 0.974 | 0.974 | 0.050 | 30.25 | 1.503 |
| TOKIN4 | T0/T1 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIN4 | T0/T1 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS11 | T0/T1 | B05 | 1.344 | 1.293 | 1.293 | 0.102 | 30.25 | 3.100 |
| TOKIS11 | T0/T1 | B06 | 1.340 | 1.289 | 1.289 | 0.102 | 30.25 | 3.078 |
| TOKIS12 | T0/T1 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS12 | T0/T1 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS13 | T0/T1 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS13 | T0/T1 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS14 | T0/T1 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS14 | T0/T1 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS21 | T0/T1 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS21 | T0/T1 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS22 | T0/T1 | C07 | 1.173 | 1.122 | 1.122 | 0.074 | 30.25 | 2.244 |
| TOKIS22 | T0/T1 | C08 | 1.385 | 1.334 | 1.334 | 0.109 | 30.25 | 3.303 |
| TOKIS23 | T0/T1 | C09 | 0.942 | 0.891 | 0.891 | 0.036 | 30.25 | 1.092 |
| TOKIS23 | T0/T1 | C10 | 0.950 | 0.899 | 0.899 | 0.037 | 30.25 | 1.132 |
| TOKIS24 | T0/T1 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| TOKIS24 | T0/T1 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIN1 | T0/T1 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIN1 | T0/T1 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIN2 | T0/T1 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIN2 | T0/T1 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIN3 | T0/T1 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIN3 | T0/T1 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIN4 | T0/T1 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T0/T1

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | | | 0.982 | 0.987 | 0.954 | 1.024 | | |
| B | | | | | 1.344 | 1.340 | | | | | | |
| C | | | | | | | 1.173 | 1.385 | 0.942 | 0.950 | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.050 | 0.051 | 0.049 | 0.045 | 0.047 | 0.049 |
| H | | | | | | | 0.049 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | TOKIN1 | TOKIN1 | TOKIN2 | TOKIN2 | TOKIN3 | TOKIN3 | TOKIN4 | TOKIN4 |
| B | | | | | TOKIS11 | TOKIS11 | TOKIS12 | TOKIS12 | TOKIS13 | TOKIS13 | TOKIS14 | TOKIS14 |
| C | | | | | TOKIS21 | TOKIS21 | TOKIS22 | TOKIS22 | TOKIS23 | TOKIS23 | TOKIS24 | TOKIS24 |
| D | | | | | T1KIN1 | T1KIN1 | T1KIN2 | T1KIN2 | T1KIN3 | T1KIN3 | T1KIN4 | T1KIN4 |
| E | | | | | T1KIS11 | T1KIS11 | T1KIS12 | T1KIS12 | T1KIS13 | T1KIS13 | T1KIS14 | T1KIS14 |
| F | | | | | T1KIS21 | T1KIS21 | T1KIS22 | T1KIS22 | T1KIS23 | T1KIS23 | T1KIS24 | T1KIS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

T0 dil. 11*dil2,75=dil.30,25
T1 dil. 10*dil2,75=dil.27,5

Comment:

Samples aufgeteilt in lin high und low:niedriger konzentrierte Samples bei lin low zu finden.

Date Operator Date Control

| | | | | | | | | |
|--------------|-------|-----|-------|---|--------------|---------|------|---------|
| T1KIN4 | T0/T1 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS11 | T0/T1 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS11 | T0/T1 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS12 | T0/T1 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS12 | T0/T1 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS13 | T0/T1 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS13 | T0/T1 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS14 | T0/T1 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS14 | T0/T1 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS21 | T0/T1 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS21 | T0/T1 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS22 | T0/T1 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS22 | T0/T1 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS23 | T0/T1 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS23 | T0/T1 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS24 | T0/T1 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T1KIS24 | T0/T1 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T0/T1 | G07 | 0.050 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0/T1 | G08 | 0.051 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0/T1 | G09 | 0.049 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0/T1 | G10 | 0.045 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0/T1 | G11 | 0.047 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T0/T1 | G12 | 0.048 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T0/T1 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T0/T1 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T0/T1 | H07 | 0.049 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0/T1 | H08 | 0.048 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0/T1 | H09 | 0.048 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0/T1 | H10 | 0.048 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0/T1 | H11 | 0.048 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T0/T1 | H12 | 0.048 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|---------|-------|-----|---|---|--------------|---------|----|---------|
| 0 | T2/T3 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 2 | #VALUE! |
| 0 | T2/T3 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 3 | #VALUE! |
| 0 | T2/T3 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 4 | #VALUE! |
| 0 | T2/T3 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 5 | #VALUE! |
| T2KIN1 | T2/T3 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 6 | #VALUE! |
| T2KIN1 | T2/T3 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 7 | #VALUE! |
| T2KIN2 | T2/T3 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 8 | #VALUE! |
| T2KIN2 | T2/T3 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 9 | #VALUE! |
| T2KIN3 | T2/T3 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 10 | #VALUE! |
| T2KIN3 | T2/T3 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 11 | #VALUE! |
| T2KIN4 | T2/T3 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 12 | #VALUE! |
| T2KIN4 | T2/T3 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 13 | #VALUE! |
| 0 | T2/T3 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 14 | #VALUE! |
| 0 | T2/T3 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 15 | #VALUE! |
| 0 | T2/T3 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 16 | #VALUE! |
| 0 | T2/T3 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 17 | #VALUE! |
| T2KIS11 | T2/T3 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 18 | #VALUE! |
| T2KIS11 | T2/T3 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 19 | #VALUE! |
| T2KIS12 | T2/T3 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 20 | #VALUE! |
| T2KIS12 | T2/T3 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 21 | #VALUE! |
| T2KIS13 | T2/T3 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 22 | #VALUE! |
| T2KIS13 | T2/T3 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 23 | #VALUE! |
| T2KIS14 | T2/T3 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 24 | #VALUE! |
| T2KIS14 | T2/T3 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 25 | #VALUE! |
| 0 | T2/T3 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 26 | #VALUE! |
| 0 | T2/T3 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 27 | #VALUE! |
| 0 | T2/T3 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 28 | #VALUE! |
| 0 | T2/T3 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 29 | #VALUE! |
| T2KIS21 | T2/T3 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 30 | #VALUE! |
| T2KIS21 | T2/T3 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 31 | #VALUE! |
| T2KIS22 | T2/T3 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 32 | #VALUE! |
| T2KIS22 | T2/T3 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 33 | #VALUE! |
| T2KIS23 | T2/T3 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 34 | #VALUE! |
| T2KIS23 | T2/T3 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 35 | #VALUE! |
| T2KIS24 | T2/T3 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 36 | #VALUE! |
| T2KIS24 | T2/T3 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 37 | #VALUE! |
| 0 | T2/T3 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 38 | #VALUE! |
| 0 | T2/T3 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 39 | #VALUE! |
| 0 | T2/T3 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 40 | #VALUE! |
| 0 | T2/T3 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 41 | #VALUE! |
| T3KIN1 | T2/T3 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 42 | #VALUE! |
| T3KIN1 | T2/T3 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 43 | #VALUE! |
| T3KIN2 | T2/T3 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 44 | #VALUE! |
| T3KIN2 | T2/T3 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 45 | #VALUE! |
| T3KIN3 | T2/T3 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 46 | #VALUE! |
| T3KIN3 | T2/T3 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 47 | #VALUE! |
| T3KIN4 | T2/T3 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 48 | #VALUE! |
| T3KIN4 | T2/T3 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 49 | #VALUE! |

Plate: T2/T3

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.050 | 0.050 | 0.048 | 0.050 | 0.050 | 0.050 |
| H | | | | | | | 0.050 | 0.049 | 0.051 | 0.050 | 0.050 | 0.050 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T2KIN1 | T2KIN1 | T2KIN2 | T2KIN2 | T2KIN3 | T2KIN3 | T2KIN4 | T2KIN4 |
| B | | | | | T2KIS11 | T2KIS11 | T2KIS12 | T2KIS12 | T2KIS13 | T2KIS13 | T2KIS14 | T2KIS14 |
| C | | | | | T2KIS21 | T2KIS21 | T2KIS22 | T2KIS22 | T2KIS23 | T2KIS23 | T2KIS24 | T2KIS24 |
| D | | | | | T3KIN1 | T3KIN1 | T3KIN2 | T3KIN2 | T3KIN3 | T3KIN3 | T3KIN4 | T3KIN4 |
| E | | | | | T3KIS11 | T3KIS11 | T3KIS12 | T3KIS12 | T3KIS13 | T3KIS13 | T3KIS14 | T3KIS14 |
| F | | | | | T3KIS21 | T3KIS21 | T3KIS22 | T3KIS22 | T3KIS23 | T3KIS23 | T3KIS24 | T3KIS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

T2 dil. 9° dil. 2,75=dil. 24,75
T3 dil. 6° dil. 2,75=dil. 16,5

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|--------------|-------|-----|---|---|--------------|---------|-----|---------|
| 0 | | | | | | 59 | | |
| 0 | T2/T3 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 60 | #VALUE! |
| 0 | T2/T3 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 61 | #VALUE! |
| 0 | T2/T3 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 62 | #VALUE! |
| 0 | T2/T3 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 63 | #VALUE! |
| T3KIS11 | T2/T3 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 64 | #VALUE! |
| T3KIS11 | T2/T3 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 65 | #VALUE! |
| T3KIS12 | T2/T3 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 66 | #VALUE! |
| T3KIS12 | T2/T3 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 67 | #VALUE! |
| T3KIS13 | T2/T3 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 68 | #VALUE! |
| T3KIS13 | T2/T3 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 69 | #VALUE! |
| T3KIS14 | T2/T3 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 70 | #VALUE! |
| T3KIS14 | T2/T3 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 71 | #VALUE! |
| 0 | T2/T3 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 72 | #VALUE! |
| 0 | T2/T3 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 73 | #VALUE! |
| 0 | T2/T3 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 74 | #VALUE! |
| 0 | T2/T3 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 75 | #VALUE! |
| T3KIS21 | T2/T3 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 76 | #VALUE! |
| T3KIS21 | T2/T3 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 77 | #VALUE! |
| T3KIS22 | T2/T3 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 78 | #VALUE! |
| T3KIS22 | T2/T3 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 79 | #VALUE! |
| T3KIS23 | T2/T3 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 80 | #VALUE! |
| T3KIS23 | T2/T3 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 81 | #VALUE! |
| T3KIS24 | T2/T3 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 82 | #VALUE! |
| T3KIS24 | T2/T3 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 83 | #VALUE! |
| 0 | T2/T3 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 84 | #VALUE! |
| 0 | T2/T3 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 85 | #VALUE! |
| 0 | T2/T3 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 86 | #VALUE! |
| 0 | T2/T3 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 87 | #VALUE! |
| 0 | T2/T3 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 88 | #VALUE! |
| 0 | T2/T3 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 89 | #VALUE! |
| Blank PEG | T2/T3 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 90 | #VALUE! |
| Blank PEG | T2/T3 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 91 | #VALUE! |
| Blank PEG | T2/T3 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 92 | #VALUE! |
| Blank PEG | T2/T3 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 93 | #VALUE! |
| Blank PEG | T2/T3 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 94 | #VALUE! |
| Blank PEG | T2/T3 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 95 | #VALUE! |
| 0 | T2/T3 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 96 | #VALUE! |
| 0 | T2/T3 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 97 | #VALUE! |
| 0 | T2/T3 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 98 | #VALUE! |
| 0 | T2/T3 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 99 | #VALUE! |
| 0 | T2/T3 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 100 | #VALUE! |
| 0 | T2/T3 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 101 | #VALUE! |
| Blank no PEG | T2/T3 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 102 | #VALUE! |
| Blank no PEG | T2/T3 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 103 | #VALUE! |
| Blank no PEG | T2/T3 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 104 | #VALUE! |
| Blank no PEG | T2/T3 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 105 | #VALUE! |
| Blank no PEG | T2/T3 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 106 | #VALUE! |
| Blank no PEG | T2/T3 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 107 | #VALUE! |

| | | | | | | | | |
|---------|-------|-----|---|---|--------------|---------|-----|---------|
| 0 | T4/T5 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 98 | #VALUE! |
| 0 | T4/T5 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 99 | #VALUE! |
| 0 | T4/T5 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 100 | #VALUE! |
| 0 | T4/T5 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 101 | #VALUE! |
| T4KIN1 | T4/T5 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 102 | #VALUE! |
| T4KIN1 | T4/T5 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 103 | #VALUE! |
| T4KIN2 | T4/T5 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 104 | #VALUE! |
| T4KIN2 | T4/T5 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 105 | #VALUE! |
| T4KIN3 | T4/T5 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 106 | #VALUE! |
| T4KIN3 | T4/T5 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 107 | #VALUE! |
| T4KIN4 | T4/T5 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 108 | #VALUE! |
| T4KIN4 | T4/T5 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 109 | #VALUE! |
| 0 | T4/T5 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 110 | #VALUE! |
| 0 | T4/T5 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 111 | #VALUE! |
| 0 | T4/T5 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 112 | #VALUE! |
| 0 | T4/T5 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 113 | #VALUE! |
| T4KIS11 | T4/T5 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 114 | #VALUE! |
| T4KIS11 | T4/T5 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 115 | #VALUE! |
| T4KIS12 | T4/T5 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 116 | #VALUE! |
| T4KIS12 | T4/T5 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 117 | #VALUE! |
| T4KIS13 | T4/T5 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 118 | #VALUE! |
| T4KIS13 | T4/T5 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 119 | #VALUE! |
| T4KIS14 | T4/T5 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 120 | #VALUE! |
| T4KIS14 | T4/T5 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 121 | #VALUE! |
| 0 | T4/T5 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 122 | #VALUE! |
| 0 | T4/T5 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 123 | #VALUE! |
| 0 | T4/T5 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 124 | #VALUE! |
| 0 | T4/T5 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 125 | #VALUE! |
| T4KIS21 | T4/T5 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 126 | #VALUE! |
| T4KIS21 | T4/T5 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 127 | #VALUE! |
| T4KIS22 | T4/T5 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 128 | #VALUE! |
| T4KIS22 | T4/T5 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 129 | #VALUE! |
| T4KIS23 | T4/T5 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 130 | #VALUE! |
| T4KIS23 | T4/T5 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 131 | #VALUE! |
| T4KIS24 | T4/T5 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 132 | #VALUE! |
| T4KIS24 | T4/T5 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 133 | #VALUE! |
| 0 | T4/T5 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 134 | #VALUE! |
| 0 | T4/T5 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 135 | #VALUE! |
| 0 | T4/T5 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 136 | #VALUE! |
| 0 | T4/T5 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 137 | #VALUE! |
| T5KIN1 | T4/T5 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 138 | #VALUE! |
| T5KIN1 | T4/T5 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 139 | #VALUE! |
| T5KIN2 | T4/T5 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 140 | #VALUE! |
| T5KIN2 | T4/T5 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 141 | #VALUE! |
| T5KIN3 | T4/T5 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 142 | #VALUE! |

Plate: T4/T5

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

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|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T4KIN1 | T4KIN1 | T4KIN2 | T4KIN2 | T4KIN3 | T4KIN3 | T4KIN4 | T4KIN4 |
| B | | | | | T4KIS11 | T4KIS11 | T4KIS12 | T4KIS12 | T4KIS13 | T4KIS13 | T4KIS14 | T4KIS14 |
| C | | | | | T4KIS21 | T4KIS21 | T4KIS22 | T4KIS22 | T4KIS23 | T4KIS23 | T4KIS24 | T4KIS24 |
| D | | | | | T5KIN1 | T5KIN1 | T5KIN2 | T5KIN2 | T5KIN3 | T5KIN3 | T5KIN4 | T5KIN4 |
| E | | | | | T5KIS11 | T5KIS11 | T5KIS12 | T5KIS12 | T5KIS13 | T5KIS13 | T5KIS14 | T5KIS14 |
| F | | | | | T5KIS21 | T5KIS21 | T5KIS22 | T5KIS22 | T5KIS23 | T5KIS23 | T5KIS24 | T5KIS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

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| | | | | | | | | |
|--------------|-------|-----|---|---|--------------|---------|-----|---------|
| T5KIIN3 | T4/T5 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 143 | #VALUE! |
| T5KIIN4 | T4/T5 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 144 | #VALUE! |
| T5KIIN4 | T4/T5 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 145 | #VALUE! |
| 0 | T4/T5 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 146 | #VALUE! |
| 0 | T4/T5 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 147 | #VALUE! |
| 0 | T4/T5 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 148 | #VALUE! |
| 0 | T4/T5 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 149 | #VALUE! |
| T5KIS11 | T4/T5 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 150 | #VALUE! |
| T5KIS11 | T4/T5 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 151 | #VALUE! |
| T5KIS12 | T4/T5 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 152 | #VALUE! |
| T5KIS12 | T4/T5 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 153 | #VALUE! |
| T5KIS13 | T4/T5 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 154 | #VALUE! |
| T5KIS13 | T4/T5 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 155 | #VALUE! |
| T5KIS14 | T4/T5 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 156 | #VALUE! |
| T5KIS14 | T4/T5 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 157 | #VALUE! |
| 0 | T4/T5 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 158 | #VALUE! |
| 0 | T4/T5 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 159 | #VALUE! |
| 0 | T4/T5 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 160 | #VALUE! |
| 0 | T4/T5 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 161 | #VALUE! |
| T5KIS21 | T4/T5 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 162 | #VALUE! |
| T5KIS21 | T4/T5 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 163 | #VALUE! |
| T5KIS22 | T4/T5 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 164 | #VALUE! |
| T5KIS22 | T4/T5 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 165 | #VALUE! |
| T5KIS23 | T4/T5 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 166 | #VALUE! |
| T5KIS23 | T4/T5 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 167 | #VALUE! |
| T5KIS24 | T4/T5 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 168 | #VALUE! |
| T5KIS24 | T4/T5 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 169 | #VALUE! |
| 0 | T4/T5 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 170 | #VALUE! |
| 0 | T4/T5 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 171 | #VALUE! |
| 0 | T4/T5 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 172 | #VALUE! |
| 0 | T4/T5 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 173 | #VALUE! |
| 0 | T4/T5 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 174 | #VALUE! |
| 0 | T4/T5 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 175 | #VALUE! |
| Blank PEG | T4/T5 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 176 | #VALUE! |
| Blank PEG | T4/T5 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 177 | #VALUE! |
| Blank PEG | T4/T5 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 178 | #VALUE! |
| Blank PEG | T4/T5 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 179 | #VALUE! |
| Blank PEG | T4/T5 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 180 | #VALUE! |
| Blank PEG | T4/T5 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 181 | #VALUE! |
| 0 | T4/T5 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 182 | #VALUE! |
| 0 | T4/T5 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 183 | #VALUE! |
| 0 | T4/T5 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 184 | #VALUE! |
| 0 | T4/T5 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 185 | #VALUE! |
| 0 | T4/T5 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 186 | #VALUE! |
| 0 | T4/T5 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 187 | #VALUE! |
| Blank no PEG | T4/T5 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 188 | #VALUE! |
| Blank no PEG | T4/T5 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 189 | #VALUE! |
| Blank no PEG | T4/T5 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 190 | #VALUE! |
| Blank no PEG | T4/T5 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 191 | #VALUE! |
| Blank no PEG | T4/T5 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 192 | #VALUE! |
| Blank no PEG | T4/T5 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 193 | #VALUE! |

| | | | | | | | | |
|---------|-------|-----|---|---|--------------|---------|-----|---------|
| 0 | T6/T7 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 194 | #VALUE! |
| 0 | T6/T7 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 195 | #VALUE! |
| 0 | T6/T7 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 196 | #VALUE! |
| 0 | T6/T7 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 197 | #VALUE! |
| T6KIN1 | T6/T7 | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 198 | #VALUE! |
| T6KIN1 | T6/T7 | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 199 | #VALUE! |
| T6KIN2 | T6/T7 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 200 | #VALUE! |
| T6KIN2 | T6/T7 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 201 | #VALUE! |
| T6KIN3 | T6/T7 | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 202 | #VALUE! |
| T6KIN3 | T6/T7 | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 203 | #VALUE! |
| T6KIN4 | T6/T7 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 204 | #VALUE! |
| T6KIN4 | T6/T7 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 205 | #VALUE! |
| 0 | T6/T7 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 206 | #VALUE! |
| 0 | T6/T7 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 207 | #VALUE! |
| 0 | T6/T7 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 208 | #VALUE! |
| 0 | T6/T7 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 209 | #VALUE! |
| T6KIS11 | T6/T7 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | 210 | #VALUE! |
| T6KIS11 | T6/T7 | B06 | 0 | 0 | kleiner LLOQ | #VALUE! | 211 | #VALUE! |
| T6KIS12 | T6/T7 | B07 | 0 | 0 | kleiner LLOQ | #VALUE! | 212 | #VALUE! |
| T6KIS12 | T6/T7 | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 213 | #VALUE! |
| T6KIS13 | T6/T7 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 214 | #VALUE! |
| T6KIS13 | T6/T7 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 215 | #VALUE! |
| T6KIS14 | T6/T7 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 216 | #VALUE! |
| T6KIS14 | T6/T7 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 217 | #VALUE! |
| 0 | T6/T7 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 218 | #VALUE! |
| 0 | T6/T7 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 219 | #VALUE! |
| 0 | T6/T7 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 220 | #VALUE! |
| 0 | T6/T7 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 221 | #VALUE! |
| T6KIS21 | T6/T7 | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 222 | #VALUE! |
| T6KIS21 | T6/T7 | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 223 | #VALUE! |
| T6KIS22 | T6/T7 | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 224 | #VALUE! |
| T6KIS22 | T6/T7 | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 225 | #VALUE! |
| T6KIS23 | T6/T7 | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 226 | #VALUE! |
| T6KIS23 | T6/T7 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 227 | #VALUE! |
| T6KIS24 | T6/T7 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 228 | #VALUE! |
| T6KIS24 | T6/T7 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 229 | #VALUE! |
| 0 | T6/T7 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 230 | #VALUE! |
| 0 | T6/T7 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 231 | #VALUE! |
| 0 | T6/T7 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 232 | #VALUE! |
| 0 | T6/T7 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 233 | #VALUE! |
| T7KIN1 | T6/T7 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 234 | #VALUE! |
| T7KIN1 | T6/T7 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 235 | #VALUE! |
| T7KIN2 | T6/T7 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 236 | #VALUE! |
| T7KIN2 | T6/T7 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 237 | #VALUE! |
| T7KIN3 | T6/T7 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 238 | #VALUE! |
| T7KIN3 | T6/T7 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 239 | #VALUE! |
| T7KIN4 | T6/T7 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 240 | #VALUE! |
| T7KIN4 | T6/T7 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 241 | #VALUE! |
| 0 | T6/T7 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 242 | #VALUE! |

Plate: T6/T7

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---------|---------|---------|---------|---------|---------|---------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T6KIN1 | T6KIN1 | T6KIN2 | T6KIN2 | T6KIN3 | T6KIN3 | T6KIN4 | T6KIN4 |
| B | | | | | T6KIS11 | T6KIS11 | T6KIS12 | T6KIS12 | T6KIS13 | T6KIS13 | T6KIS14 | T6KIS14 |
| C | | | | | T6KIS21 | T6KIS21 | T6KIS22 | T6KIS22 | T6KIS23 | T6KIS23 | T6KIS24 | T6KIS24 |
| D | | | | | T7KIN1 | T7KIN1 | T7KIN2 | T7KIN2 | T7KIN3 | T7KIN3 | T7KIN4 | T7KIN4 |
| E | | | | | T7KIS11 | T7KIS11 | T7KIS12 | T7KIS12 | T7KIS13 | T7KIS13 | T7KIS14 | T7KIS14 |
| F | | | | | T7KIS21 | T7KIS21 | T7KIS22 | T7KIS22 | T7KIS23 | T7KIS23 | T7KIS24 | T7KIS24 |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Comment:

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Date Operator Date Control

| | | | | | | | | |
|---------|-------|-----|---|---|--------------|---------|-----|---------|
| 0 | T6/T7 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 243 | #VALUE! |
| 0 | T6/T7 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 244 | #VALUE! |
| 0 | T6/T7 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 245 | #VALUE! |
| T7KIS11 | T6/T7 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 246 | #VALUE! |
| T7KIS11 | T6/T7 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 247 | #VALUE! |
| T7KIS12 | T6/T7 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 248 | #VALUE! |
| T7KIS12 | T6/T7 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 249 | #VALUE! |
| T7KIS13 | T6/T7 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 250 | #VALUE! |
| T7KIS13 | T6/T7 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 251 | #VALUE! |
| T7KIS14 | T6/T7 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 252 | #VALUE! |
| T7KIS14 | T6/T7 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 253 | #VALUE! |
| 0 | T6/T7 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 254 | #VALUE! |
| 0 | T6/T7 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 255 | #VALUE! |
| 0 | T6/T7 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 256 | #VALUE! |
| 0 | T6/T7 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 257 | #VALUE! |
| T7KIS21 | T6/T7 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 258 | #VALUE! |
| T7KIS21 | T6/T7 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 259 | #VALUE! |
| T7KIS22 | T6/T7 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 260 | #VALUE! |
| T7KIS22 | T6/T7 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 261 | #VALUE! |
| T7KIS23 | T6/T7 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 262 | #VALUE! |
| T7KIS23 | T6/T7 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 263 | #VALUE! |
| T7KIS24 | T6/T7 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 264 | #VALUE! |
| T7KIS24 | T6/T7 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 265 | #VALUE! |
| 0 | T6/T7 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 266 | #VALUE! |
| 0 | T6/T7 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 267 | #VALUE! |
| 0 | T6/T7 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 268 | #VALUE! |
| 0 | T6/T7 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 269 | #VALUE! |
| 0 | T6/T7 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 270 | #VALUE! |
| 0 | T6/T7 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 271 | #VALUE! |
| 0 | T6/T7 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 272 | #VALUE! |
| 0 | T6/T7 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 273 | #VALUE! |
| 0 | T6/T7 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 274 | #VALUE! |
| 0 | T6/T7 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 275 | #VALUE! |
| 0 | T6/T7 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 276 | #VALUE! |
| 0 | T6/T7 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 277 | #VALUE! |
| 0 | T6/T7 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 278 | #VALUE! |
| 0 | T6/T7 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 279 | #VALUE! |
| 0 | T6/T7 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 280 | #VALUE! |
| 0 | T6/T7 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 281 | #VALUE! |
| 0 | T6/T7 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 282 | #VALUE! |
| 0 | T6/T7 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 283 | #VALUE! |
| 0 | T6/T7 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 284 | #VALUE! |
| 0 | T6/T7 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 285 | #VALUE! |
| 0 | T6/T7 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 286 | #VALUE! |
| 0 | T6/T7 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 287 | #VALUE! |
| 0 | T6/T7 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 288 | #VALUE! |
| 0 | T6/T7 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 289 | #VALUE! |

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.447 | 1.739 | | 1.170 | | | | | | 0.667 | 0.440 | 0.043 |
| 1.447 | 1.332 | | 1.392 | 0.137 | 0.146 | 0.130 | 0.138 | 0.109 | 0.729 | 0.478 | 0.042 |
| 1.391 | 1.281 | | 1.311 | 0.204 | 0.184 | 0.184 | 0.198 | 0.201 | 0.743 | 0.474 | 0.043 |
| 0.961 | 0.835 | | 1.405 | 0.336 | 0.347 | 0.375 | 0.387 | 0.300 | 0.824 | 0.483 | 0.044 |
| 0.445 | 0.441 | | 1.280 | 1.085 | 1.086 | 1.218 | 1.004 | 0.873 | 0.704 | 0.457 | 0.041 |
| 0.355 | 0.315 | | 1.332 | 1.768 | 1.925 | 1.753 | 1.739 | 1.606 | | | 0.036 |
| 0.223 | 0.188 | 1.666 | 1.499 | 1.632 | | 0.048 | 0.046 | 0.047 | 0.048 | 0.048 | 0.048 |
| 0.118 | 0.106 | 1.556 | 1.622 | 1.573 | | 0.047 | 0.054 | 0.051 | 0.051 | 0.052 | 0.051 |

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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.652 | 1.627 | | 1.188 | 0.748 | 0.811 | 0.764 | 0.753 | 0.674 | 0.751 | 0.529 | 0.044 |
| 1.443 | 1.372 | | 1.364 | 0.139 | 0.147 | 0.131 | 0.139 | 0.110 | 0.811 | 0.561 | 0.043 |
| 1.377 | 1.281 | | 1.284 | 0.206 | 0.189 | 0.184 | 0.200 | 0.202 | 0.821 | 0.560 | 0.044 |
| 0.972 | 0.883 | | 1.387 | 0.339 | 0.349 | 0.386 | 0.406 | 0.312 | 0.903 | 0.565 | 0.044 |
| 0.484 | 0.474 | | 1.298 | 1.087 | 1.113 | 1.203 | 1.022 | 0.903 | 0.790 | 0.544 | 0.042 |
| 0.359 | 0.326 | | 1.308 | 1.622 | 1.622 | 1.630 | 1.625 | 1.550 | | | 0.037 |
| 0.228 | 0.199 | 1.527 | 1.373 | 1.462 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.109 | 1.473 | 1.410 | 1.371 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

2

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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.579 | 1.475 | | 1.150 | 1.210 | 1.303 | 1.202 | 1.219 | 1.125 | 0.759 | 0.549 | 0.043 |
| 1.357 | 1.303 | | 1.283 | 0.140 | 0.148 | 0.131 | 0.139 | 0.111 | 0.820 | 0.575 | 0.043 |
| 1.323 | 1.228 | | 1.227 | 0.206 | 0.188 | 0.184 | 0.198 | 0.201 | 0.824 | 0.579 | 0.043 |
| 0.959 | 0.872 | | 1.321 | 0.339 | 0.348 | 0.387 | 0.406 | 0.314 | 0.909 | 0.580 | 0.044 |
| 0.483 | 0.473 | | 1.270 | 1.069 | 1.103 | 1.181 | 1.017 | 0.903 | 0.798 | 0.560 | 0.042 |
| 0.360 | 0.326 | | 1.270 | 1.497 | 1.448 | 1.496 | 1.494 | 1.449 | | | 0.037 |
| 0.228 | 0.199 | 1.374 | 1.262 | 1.314 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.346 | 1.262 | 1.253 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

3

| | | | | | | | | | | | |
|-------|-------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.511 | 1.369 | | | 1.538 | 1.712 | 1.528 | 1.502 | 1.425 | | | 0.043 |
| 1.296 | 1.281 | | | | | | | | | | 0.043 |
| 1.272 | 1.193 | | | | | | | | | | 0.043 |
| 0.947 | 0.859 | | | | | | | | | | 0.044 |
| 0.481 | 0.471 | | | | | | | | | | 0.042 |
| 0.361 | 0.325 | | | | | | | | | | 0.037 |
| 0.229 | 0.199 | | | | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.047 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

4

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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.493 | 1.317 | 1.678 | 1.110 | 1.621 | 1.807 | 1.618 | 1.584 | 1.508 | 0.765 | 0.597 | 0.043 |
| 1.259 | 1.238 | 1.850 | 1.197 | 0.139 | 0.150 | 0.132 | 0.139 | 0.111 | 0.821 | 0.588 | 0.043 |
| 1.248 | 1.175 | 1.816 | 1.153 | 0.204 | 0.188 | 0.184 | 0.197 | 0.199 | 0.831 | 0.599 | 0.044 |
| 0.943 | 0.859 | 1.970 | 1.231 | 0.338 | 0.357 | 0.386 | 0.406 | 0.316 | 0.916 | 0.595 | 0.044 |
| 0.480 | 0.470 | 2.220 | 1.220 | 1.054 | 1.088 | 1.154 | 1.006 | 0.902 | 0.805 | 0.579 | 0.042 |
| 0.359 | 0.325 | 2.149 | 1.211 | 1.395 | 1.324 | 1.348 | 1.345 | 1.317 | 0.037 | 0.037 | 0.037 |
| 0.228 | 0.199 | 1.240 | 1.151 | 1.183 | 0.034 | 0.049 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.223 | 1.132 | 1.146 | 0.038 | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

5

falsch gedrückt, jedes well ob leer oder voll gemessen

| | | | | | | | | | | | |
|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.434 | 1.258 | | 1.090 | 1.648 | 1.876 | 1.649 | 1.627 | 1.535 | | | |
| 1.217 | 1.201 | | 1.149 | | | | | | | | |
| 1.205 | 1.143 | | 1.109 | | | | | | | | |
| 0.935 | 0.845 | | 1.182 | | | | | | | | |
| 0.477 | 0.469 | | 1.181 | | | | | | | | |
| 0.360 | 0.323 | | 1.167 | | | | | | | | |
| 0.229 | 0.200 | | | | | 0.049 | 0.047 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.013 | 0.810 | | 0.668 | 0.808 | 0.940 | 0.720 | 0.798 | 0.687 | 0.904 | 0.845 | 0.043 |
| 0.709 | 0.827 | | 0.703 | 0.142 | 0.156 | 0.136 | 0.137 | 0.116 | 0.990 | 0.846 | 0.042 |
| 0.682 | 0.692 | | 0.680 | 0.197 | 0.188 | 0.190 | 0.191 | 0.184 | 1.023 | 0.861 | 0.043 |
| 0.507 | 0.519 | | 0.740 | 0.316 | 0.264 | 0.364 | 0.377 | 0.312 | 1.111 | 0.870 | 0.043 |
| 0.394 | 0.406 | | 0.682 | 0.580 | 0.561 | 0.600 | 0.529 | 0.563 | 0.962 | 0.834 | 0.042 |
| 0.333 | 0.322 | | 0.661 | 0.995 | 0.930 | 0.848 | 0.832 | 0.797 | 0.037 | 0.037 | 0.037 |
| 0.229 | 0.201 | 0.843 | 0.679 | 0.732 | | 0.048 | 0.046 | 0.047 | | | 0.047 |
| 0.124 | 0.111 | 0.773 | 0.682 | 0.701 | | 0.047 | 0.053 | 0.051 | 0.051 | 0.052 | 0.051 |

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skin cultivation

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|-------|-------|-------|-------|--|--|-------|-------|-------|-------|-------|-------|------------|
| 3.015 | 3.090 | 3.028 | 0.727 | | | | | | | | | T0/T1 1 hd |
| 3.134 | 3.069 | 3.065 | 0.655 | | | | | | | | | |
| 3.055 | 3.129 | 3.032 | 0.418 | | | | | | | | | |
| 2.613 | 2.463 | 2.221 | 0.192 | | | | | | | | | |
| 2.914 | 2.846 | 2.705 | 0.363 | | | | | | | | | |
| 2.618 | 2.492 | 2.513 | 0.185 | | | | | | | | | |
| | | | | | | 0.049 | 0.050 | 0.048 | 0.047 | 0.049 | 0.049 | |
| | | | | | | 0.048 | 0.047 | 0.047 | 0.047 | 0.047 | 0.048 | |

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|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | | | | 0.799 | 0.787 | 0.982 | 0.987 | 0.954 | 1.024 | 0.192 | 0.198 | T0/T1 2 hd |
| | | | | 1.344 | 1.340 | 0.343 | 0.772 | 0.624 | 0.875 | 0.228 | 0.278 | |
| | | | | 0.616 | 0.793 | 1.173 | 1.385 | 0.942 | 0.950 | 0.173 | 0.188 | |
| | | | | 0.461 | 0.435 | 0.387 | 0.371 | 0.386 | 0.389 | 0.128 | 0.131 | |
| | | | | 0.644 | 0.656 | 0.482 | 0.491 | 0.431 | 0.422 | 0.171 | 0.166 | |
| | | | | 0.150 | 0.150 | 0.189 | 0.191 | 0.155 | 0.154 | 0.055 | 0.127 | |
| | | | | | | 0.050 | 0.051 | 0.049 | 0.045 | 0.047 | 0.049 | |
| | | | | | | 0.049 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | |

| | | | | | | | | | | | | |
|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | | | | 0.447 | 0.456 | 0.457 | 0.463 | 0.586 | 0.600 | 0.072 | 0.072 | T4/T5 2 hd |
| | | | | 0.284 | 0.281 | 0.290 | 0.292 | 0.692 | 0.864 | 0.065 | 0.065 | |
| | | | | 0.415 | 0.429 | 0.475 | 0.532 | 0.663 | 0.665 | 0.061 | 0.061 | |
| | | | | 0.393 | 0.384 | 0.612 | 0.607 | 0.359 | 0.425 | 0.059 | 0.058 | |
| | | | | 0.184 | 0.278 | 0.529 | 0.715 | 0.218 | 0.232 | 0.059 | 0.059 | |
| | | | | 0.496 | 0.489 | 0.103 | 0.201 | 0.106 | 0.120 | 0.054 | 0.054 | |
| | | | | | | 0.050 | 0.050 | 0.051 | 0.050 | 0.050 | 0.050 | |
| | | | | | | 0.050 | 0.050 | 0.050 | 0.048 | 0.049 | 0.049 | |

| | | | | | | | | | | | | |
|-------|-------|-------|-------|--|--|-------|-------|-------|-------|-------|-------|------------|
| 0.505 | 0.546 | 0.291 | 0.060 | | | | | | | | | T6/T7 1 hd |
| 0.125 | 0.436 | 0.461 | 0.061 | | | | | | | | | |
| 0.473 | 0.159 | 0.127 | 0.057 | | | | | | | | | |
| 0.542 | 0.422 | 0.111 | 0.055 | | | | | | | | | |
| 0.081 | 0.114 | 0.133 | 0.055 | | | | | | | | | |
| 0.331 | 0.117 | 0.142 | 0.054 | | | | | | | | | |
| | | | | | | 0.048 | 0.049 | 0.049 | 0.049 | 0.050 | 0.050 | |
| | | | | | | 0.049 | 0.049 | 0.049 | 0.044 | 0.050 | 0.048 | |

| | | | | | | | | | | | | |
|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | | | | 0.512 | 0.468 | 0.489 | 0.547 | 0.192 | 0.205 | 0.062 | 0.070 | T6/T7 2 hd |
| | | | | 0.154 | 0.226 | 0.460 | 0.263 | 0.214 | 0.401 | 0.060 | 0.059 | |
| | | | | 0.396 | 0.411 | 0.166 | 0.172 | 0.128 | 0.135 | 0.056 | 0.060 | |
| | | | | 0.443 | 0.450 | 0.369 | 0.418 | 0.111 | 0.107 | 0.057 | 0.060 | |
| | | | | 0.064 | 0.062 | 0.091 | 0.158 | 0.098 | 0.156 | 0.057 | 0.058 | |
| | | | | 0.243 | 0.304 | 0.097 | 0.142 | 0.139 | 0.137 | 0.055 | 0.054 | |
| | | | | | | 0.049 | 0.052 | 0.052 | 0.051 | 0.052 | 0.051 | |
| | | | | | | 0.050 | 0.050 | 0.050 | 0.045 | 0.051 | 0.050 | |

| | | | | | |
|--------------------|--------------|------------------------------|-------------------------|----------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (instrument method) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full_v2 | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| cold substance | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| n.a. | name | LDH | ACB-ID of cocktail | | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PEG | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| | n.a. | n.a. | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|-------|------|---------|---|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | | | | | | | | 0.047 | | | | |
| KLP2 | | | | | | | | 0.054 | | | | |
| KLP3 | | | | | | | | 0.051 | | | | |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.938 | 0.04 | 4.19 | 0.051 | 0.887 | 0.041 | -0.57 | 0.00 |
| KLP5 | 0.018 | 0.483 | 0.484 | 0.474 | 0.480 | 0.00 | 0.98 | 0.052 | 0.429 | 0.019 | 2.42 | 0.00 |
| KLP6 | 0.012 | 0.360 | 0.359 | 0.326 | 0.348 | 0.02 | 4.54 | 0.051 | 0.297 | 0.013 | 5.00 | 0.00 |
| KLP7 | 0.007 | 0.228 | 0.228 | 0.199 | 0.218 | 0.014 | 6.35 | | 0.168 | 0.006 | -11.29 | 0.00 |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|--------------|
| Geradensteigung | Slope | m | 21.03 |
| Y-Achsenabschnitt | Y-Intercept | b | 0.03 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.648055501 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.015177452 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.000664046 |
| Bereichsmittle | | | 0.019557193 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 23.81763508 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 18.24046944 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.099335829 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | -0.031281327 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9991 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9981 |
| Reststandardabweichung | | S ₀ | 0.01669983 |
| Summe Restquadrate | | sd | 0.657385838 |
| Verfahrensstandardabw. | | S ₀₀ | 0.000794131 |
| Rel. Verfahrensstandardabw. % | | V ₀₀ | 4.060559029 |

Berichten

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0.01 |
| x ² SD (LOD) | 0.01 |
| LLOQ (AU) | 0.061 |
| LOD (AU) | 0.067 |
| ULOQ | 0.887 |
| LLOQ (Lin) | 0.168 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date Operator Date Operator Control

| | | | |
|---------------|--|---------|---------------|
| Formblatt-Nr. | | Version | |
| Titel | | | |
| Gültig ab | | Ablage | Projektordner |

Figure 1 Linearity

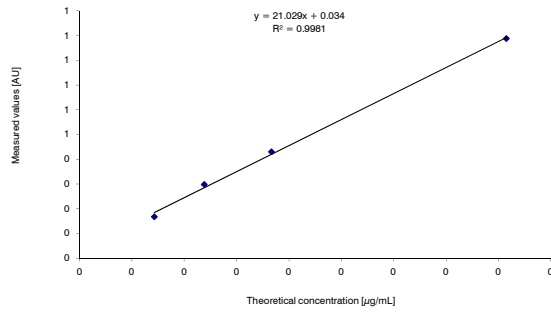
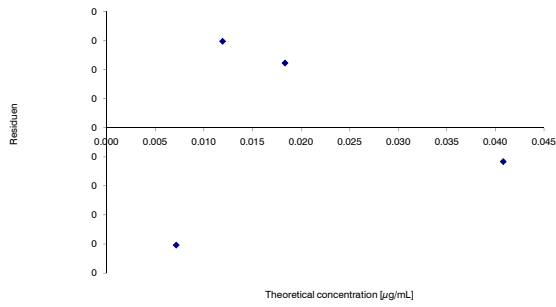


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date _____ Operator _____ Date _____ Control _____

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T8/T9 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8KIN1 | T8/T9 | A05 | 0.742 | 0.691 | 0.691 | 0.031 | 2.75 | 0.09 |
| T8KIN1 | T8/T9 | A06 | 0.708 | 0.657 | 0.657 | 0.030 | 2.75 | 0.08 |
| T8KIN2 | T8/T9 | A07 | 0.415 | 0.364 | 0.364 | 0.016 | 2.75 | 0.04 |
| T8KIN2 | T8/T9 | A08 | 0.444 | 0.393 | 0.393 | 0.017 | 2.75 | 0.047 |
| T8KIN3 | T8/T9 | A09 | 0.158 | 0.107 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIN3 | T8/T9 | A10 | 0.154 | 0.103 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIN4 | T8/T9 | A11 | 0.055 | 0.004 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIN4 | T8/T9 | A12 | 0.055 | 0.004 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T8/T9 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8KIS11 | T8/T9 | B05 | 0.063 | 0.012 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIS11 | T8/T9 | B06 | 0.064 | 0.013 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIS12 | T8/T9 | B07 | 0.221 | 0.170 | 0.170 | 0.006 | 2.75 | 0.02 |
| T8KIS12 | T8/T9 | B08 | 0.273 | 0.222 | 0.222 | 0.009 | 2.75 | 0.02 |
| T8KIS13 | T8/T9 | B09 | 0.109 | 0.058 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIS13 | T8/T9 | B10 | 0.217 | 0.166 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIS14 | T8/T9 | B11 | 0.074 | 0.023 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIS14 | T8/T9 | B12 | 0.061 | 0.010 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T8/T9 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8KIS21 | T8/T9 | C05 | 0.346 | 0.295 | 0.295 | 0.012 | 2.75 | 0.03 |
| T8KIS21 | T8/T9 | C06 | 0.348 | 0.297 | 0.297 | 0.012 | 2.75 | 0.03 |
| T8KIS22 | T8/T9 | C07 | 0.086 | 0.035 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIS22 | T8/T9 | C08 | 0.090 | 0.039 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIS23 | T8/T9 | C09 | 0.202 | 0.151 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIS23 | T8/T9 | C10 | 0.149 | 0.098 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIS24 | T8/T9 | C11 | 0.061 | 0.010 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T8KIS24 | T8/T9 | C12 | 0.054 | 0.003 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T8/T9 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIN1 | T8/T9 | D05 | 0.692 | 0.641 | 0.641 | 0.029 | 2.75 | 0.08 |
| T9KIN1 | T8/T9 | D06 | 0.579 | 0.528 | 0.528 | 0.023 | 2.75 | 0.06 |
| T9KIN2 | T8/T9 | D07 | 0.503 | 0.453 | 0.453 | 0.020 | 2.75 | 0.05 |
| T9KIN2 | T8/T9 | D08 | 0.503 | 0.452 | 0.452 | 0.020 | 2.75 | 0.05 |
| T9KIN3 | T8/T9 | D09 | 0.249 | 0.198 | 0.198 | 0.008 | 2.75 | 0.02 |
| T9KIN3 | T8/T9 | D10 | 0.260 | 0.209 | 0.209 | 0.008 | 2.75 | 0.02 |
| T9KIN4 | T8/T9 | D11 | 0.146 | 0.095 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9KIN4 | T8/T9 | D12 | 0.144 | 0.093 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

Plate: T8/T9

| Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | | |
| A | | | | 0.742 | 0.708 | 0.415 | 0.444 | 0.158 | 0.154 | 0.055 | 0.055 | | | | |
| B | | | | 0.063 | 0.064 | 0.221 | 0.273 | 0.109 | 0.217 | 0.074 | 0.061 | | | | |
| C | | | | 0.346 | 0.348 | 0.086 | 0.090 | 0.202 | 0.149 | 0.061 | 0.054 | | | | |
| D | | | | 0.692 | 0.579 | 0.503 | 0.503 | 0.249 | 0.260 | 0.146 | 0.144 | | | | |
| E | | | | 0.037 | 0.159 | 0.164 | 0.211 | 0.209 | 0.141 | 0.109 | 0.251 | | | | |
| F | | | | 0.255 | 0.243 | 0.076 | 0.078 | 0.233 | 0.242 | 0.387 | 0.318 | | | | |
| G | | | | | | 0.050 | 0.043 | 0.047 | 0.050 | 0.049 | 0.047 | | | | |
| H | | | | | | 0.042 | 0.045 | 0.041 | 0.040 | 0.040 | 0.047 | | | | |

| Plattenbelegung | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------------|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|----|
| A | | | | T8KIN1 | T8KIN1 | T8KIN2 | T8KIN2 | T8KIN3 | T8KIN3 | T8KIN4 | T8KIN4 | |
| B | | | | T8KIS11 | T8KIS11 | T8KIS12 | T8KIS12 | T8KIS13 | T8KIS13 | T8KIS14 | T8KIS14 | |
| C | | | | T8KIS21 | T8KIS21 | T8KIS22 | T8KIS22 | T8KIS23 | T8KIS23 | T8KIS24 | T8KIS24 | |
| D | | | | T9KIN1 | T9KIN1 | T9KIN2 | T9KIN2 | T9KIN3 | T9KIN3 | T9KIN4 | T9KIN4 | |
| E | | | | T9KIS11 | T9KIS11 | T9KIS12 | T9KIS12 | T9KIS13 | T9KIS13 | T9KIS14 | T9KIS14 | |
| F | | | | T9KIS21 | T9KIS21 | T9KIS22 | T9KIS22 | T9KIS23 | T9KIS23 | T9KIS24 | T9KIS24 | |
| G | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | |
| H | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | |

Samples aufgeteilt in lin high und low.höher konzentrierte Samples bei lin high zu finden.

Comment:
erste messung verwendet

Date Operator

Date Control

| | | | | | | | | |
|--------------|-------|-----|-------|--------|--------------|---------|------|---------|
| 0 | T8/T9 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS11 | T8/T9 | E05 | 0.037 | -0.014 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9KIS11 | T8/T9 | E06 | 0.159 | 0.108 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9KIS12 | T8/T9 | E07 | 0.164 | 0.113 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9KIS12 | T8/T9 | E08 | 0.211 | 0.160 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9KIS13 | T8/T9 | E09 | 0.209 | 0.158 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9KIS13 | T8/T9 | E10 | 0.141 | 0.090 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9KIS14 | T8/T9 | E11 | 0.109 | 0.058 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9KIS14 | T8/T9 | E12 | 0.251 | 0.200 | 0.200 | 0.008 | 2.75 | 0.02 |
| 0 | T8/T9 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS21 | T8/T9 | F05 | 0.255 | 0.204 | 0.204 | 0.008 | 2.75 | 0.02 |
| T9KIS21 | T8/T9 | F06 | 0.243 | 0.192 | 0.192 | 0.008 | 2.75 | 0.02 |
| T9KIS22 | T8/T9 | F07 | 0.076 | 0.026 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9KIS22 | T8/T9 | F08 | 0.078 | 0.028 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T9KIS23 | T8/T9 | F09 | 0.233 | 0.182 | 0.182 | 0.007 | 2.75 | 0.02 |
| T9KIS23 | T8/T9 | F10 | 0.242 | 0.191 | 0.191 | 0.007 | 2.75 | 0.02 |
| T9KIS24 | T8/T9 | F11 | 0.387 | 0.336 | 0.336 | 0.014 | 2.75 | 0.04 |
| T9KIS24 | T8/T9 | F12 | 0.318 | 0.268 | 0.268 | 0.011 | 2.75 | 0.03 |
| 0 | T8/T9 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T8/T9 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8/T9 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8/T9 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8/T9 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8/T9 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8/T9 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T8/T9 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T8/T9 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8/T9 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8/T9 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8/T9 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8/T9 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8/T9 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | | |
|----------|---------|-----|-------|-------|--------------|---------|------|---------|
| 0 | T10/T11 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10KIN1 | T10/T11 | A05 | 0.598 | 0.547 | 0.547 | 0.024 | 2.75 | 0.067 |
| T10KIN1 | T10/T11 | A06 | 0.575 | 0.525 | 0.525 | 0.023 | 2.75 | 0.064 |
| T10KIN2 | T10/T11 | A07 | 0.524 | 0.473 | 0.473 | 0.021 | 2.75 | 0.057 |
| T10KIN2 | T10/T11 | A08 | 0.523 | 0.472 | 0.472 | 0.021 | 2.75 | 0.057 |
| T10KIN3 | T10/T11 | A09 | 0.235 | 0.184 | 0.184 | 0.007 | 2.75 | 0.020 |
| T10KIN3 | T10/T11 | A10 | 0.225 | 0.174 | 0.174 | 0.007 | 2.75 | 0.018 |
| T10KIN4 | T10/T11 | A11 | 0.117 | 0.066 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIN4 | T10/T11 | A12 | 0.106 | 0.055 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T10/T11 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10KIS11 | T10/T11 | B05 | 0.115 | 0.064 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS11 | T10/T11 | B06 | 0.109 | 0.058 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS12 | T10/T11 | B07 | 0.177 | 0.126 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS12 | T10/T11 | B08 | 0.191 | 0.140 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS13 | T10/T11 | B09 | 0.110 | 0.059 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS13 | T10/T11 | B10 | 0.109 | 0.058 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS14 | T10/T11 | B11 | 0.098 | 0.047 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS14 | T10/T11 | B12 | 0.090 | 0.039 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T10/T11 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T10KIS21 | T10/T11 | C05 | 0.149 | 0.098 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS21 | T10/T11 | C06 | 0.152 | 0.101 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS22 | T10/T11 | C07 | 0.190 | 0.139 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS22 | T10/T11 | C08 | 0.196 | 0.145 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS23 | T10/T11 | C09 | 0.211 | 0.160 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS23 | T10/T11 | C10 | 0.205 | 0.154 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS24 | T10/T11 | C11 | 0.070 | 0.019 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T10KIS24 | T10/T11 | C12 | 0.078 | 0.027 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T10/T11 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11KIN1 | T10/T11 | D05 | 0.648 | 0.597 | 0.597 | 0.027 | 2.75 | 0.074 |
| T11KIN1 | T10/T11 | D06 | 0.647 | 0.596 | 0.596 | 0.027 | 2.75 | 0.074 |
| T11KIN2 | T10/T11 | D07 | 0.729 | 0.678 | 0.678 | 0.031 | 2.75 | 0.084 |
| T11KIN2 | T10/T11 | D08 | 0.693 | 0.642 | 0.642 | 0.029 | 2.75 | 0.080 |
| T11KIN3 | T10/T11 | D09 | 0.275 | 0.224 | 0.224 | 0.009 | 2.75 | 0.025 |
| T11KIN3 | T10/T11 | D10 | 0.219 | 0.168 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11KIN4 | T10/T11 | D11 | 0.151 | 0.100 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11KIN4 | T10/T11 | D12 | 0.153 | 0.102 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

Plate: T10/T11

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | 0.598 | 0.575 | 0.524 | 0.523 | 0.235 | 0.225 | 0.117 | 0.106 |
| B | | | | | 0.115 | 0.109 | 0.177 | 0.191 | 0.110 | 0.109 | 0.098 | 0.090 |
| C | | | | | 0.149 | 0.152 | 0.190 | 0.196 | 0.211 | 0.205 | 0.070 | 0.078 |
| D | | | | | 0.648 | 0.647 | 0.729 | 0.693 | 0.275 | 0.219 | 0.151 | 0.153 |
| E | | | | | 0.101 | 0.096 | 0.178 | 0.181 | 0.092 | 0.087 | 0.089 | 0.092 |
| F | | | | | 0.252 | 0.256 | 0.176 | 0.176 | 0.223 | 0.221 | 0.069 | 0.068 |
| G | | | | | | | 0.044 | 0.043 | 0.046 | 0.047 | 0.044 | 0.044 |
| H | | | | | | | 0.041 | 0.041 | 0.042 | 0.042 | 0.041 | 0.042 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|----------|----------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | T10KIN1 | T10KIN1 | T10KIN2 | T10KIN2 | T10KIN3 | T10KIN3 | T10KIN4 | T10KIN4 |
| B | | | | | T10KIS11 | T10KIS11 | T10KIS12 | T10KIS12 | T10KIS13 | T10KIS13 | T10KIS14 | T10KIS14 |
| C | | | | | T10KIS21 | T10KIS21 | T10KIS22 | T10KIS22 | T10KIS23 | T10KIS23 | T10KIS24 | T10KIS24 |
| D | | | | | T11KIN1 | T11KIN1 | T11KIN2 | T11KIN2 | T11KIN3 | T11KIN3 | T11KIN4 | T11KIN4 |
| E | | | | | T11KIS11 | T11KIS11 | T11KIS12 | T11KIS12 | T11KIS13 | T11KIS13 | T11KIS14 | T11KIS14 |
| F | | | | | T11KIS21 | T11KIS21 | T11KIS22 | T11KIS22 | T11KIS23 | T11KIS23 | T11KIS24 | T11KIS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date Operator

Date Control

| | | | | | | | | |
|--------------|---------|-----|-------|-------|--------------|---------|------|---------|
| 0 | T10/T11 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11KIS11 | T10/T11 | E05 | 0.101 | 0.050 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11KIS11 | T10/T11 | E06 | 0.096 | 0.045 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11KIS12 | T10/T11 | E07 | 0.178 | 0.127 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11KIS12 | T10/T11 | E08 | 0.181 | 0.131 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11KIS13 | T10/T11 | E09 | 0.082 | 0.041 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11KIS13 | T10/T11 | E10 | 0.087 | 0.036 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11KIS14 | T10/T11 | E11 | 0.089 | 0.038 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11KIS14 | T10/T11 | E12 | 0.092 | 0.041 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T10/T11 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T11KIS21 | T10/T11 | F05 | 0.252 | 0.202 | 0.202 | 0.008 | 2.75 | 0.022 |
| T11KIS21 | T10/T11 | F06 | 0.256 | 0.205 | 0.205 | 0.008 | 2.75 | 0.022 |
| T11KIS22 | T10/T11 | F07 | 0.176 | 0.125 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11KIS22 | T10/T11 | F08 | 0.176 | 0.126 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11KIS23 | T10/T11 | F09 | 0.223 | 0.172 | 0.172 | 0.007 | 2.75 | 0.018 |
| T11KIS23 | T10/T11 | F10 | 0.221 | 0.170 | 0.170 | 0.006 | 2.75 | 0.018 |
| T11KIS24 | T10/T11 | F11 | 0.069 | 0.018 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T11KIS24 | T10/T11 | F12 | 0.068 | 0.017 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T10/T11 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T10/T11 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T10/T11 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T10/T11 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T10/T11 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T10/T11 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T10/T11 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T10/T11 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T10/T11 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T10/T11 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T10/T11 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T10/T11 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T10/T11 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T10/T11 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T10/T11 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T12/T13 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12/T13 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12/T13 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12/T13 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12KIN1 | T12/T13 | A05 | 0.619 | 0.619 | 0.619 | 0.028 | 2.75 | 0.076 |
| T12KIN1 | T12/T13 | A06 | 0.663 | 0.612 | 0.612 | 0.027 | 2.75 | 0.076 |
| T12KIN2 | T12/T13 | A07 | 0.524 | 0.473 | 0.473 | 0.021 | 2.75 | 0.057 |
| T12KIN2 | T12/T13 | A08 | 0.538 | 0.487 | 0.487 | 0.022 | 2.75 | 0.059 |
| T12KIN3 | T12/T13 | A09 | 0.187 | 0.136 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12KIN3 | T12/T13 | A10 | 0.184 | 0.133 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12KIN4 | T12/T13 | A11 | 0.111 | 0.061 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12KIN4 | T12/T13 | A12 | 0.107 | 0.056 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T12/T13 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12/T13 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12/T13 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12/T13 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T12KIS11 | T12/T13 | B05 | 0.065 | 0.014 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12KIS11 | T12/T13 | B06 | 0.066 | 0.015 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12KIS12 | T12/T13 | B07 | 0.111 | 0.060 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12KIS12 | T12/T13 | B08 | 0.113 | 0.062 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12KIS13 | T12/T13 | B09 | 0.070 | 0.019 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12KIS13 | T12/T13 | B10 | 0.069 | 0.018 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12KIS14 | T12/T13 | B11 | 0.061 | 0.011 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T12KIS14 | T12/T13 | B12 | 0.062 | 0.011 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T12/T13 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T12/T13 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T12/T13

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| A | | | | | 0.670 | 0.663 | 0.524 | 0.538 | 0.187 | 0.184 | 0.111 | 0.107 |
| B | | | | | 0.065 | 0.066 | 0.111 | 0.113 | 0.070 | 0.069 | 0.061 | 0.062 |
| C | | | | | 0.180 | 0.181 | 0.102 | 0.104 | 0.171 | 0.172 | 0.061 | 0.062 |
| D | | | | | 0.678 | 0.577 | 0.479 | 0.502 | 0.148 | 0.165 | 0.137 | 0.129 |
| E | | | | | 0.067 | 0.068 | 0.095 | 0.107 | 0.064 | 0.065 | 0.090 | 0.099 |
| F | | | | | 0.255 | 0.263 | 0.081 | 0.085 | 0.255 | 0.249 | 0.077 | 0.075 |
| G | | | | | | | 0.044 | 0.042 | 0.043 | 0.042 | 0.045 | 0.042 |
| H | | | | | | | 0.041 | 0.040 | 0.041 | 0.042 | 0.042 | 0.042 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|----------|----------|----------|----------|----------|----------|----------|----------|
| A | | | | | T12KIN1 | T12KIN1 | T12KIN2 | T12KIN2 | T12KIN3 | T12KIN3 | T12KIN4 | T12KIN4 |
| B | | | | | T12KIS11 | T12KIS11 | T12KIS12 | T12KIS12 | T12KIS13 | T12KIS13 | T12KIS14 | T12KIS14 |
| C | | | | | T12KIS21 | T12KIS21 | T12KIS22 | T12KIS22 | T12KIS23 | T12KIS23 | T12KIS24 | T12KIS24 |
| D | | | | | T13KIN1 | T13KIN1 | T13KIN2 | T13KIN2 | T13KIN3 | T13KIN3 | T13KIN4 | T13KIN4 |
| E | | | | | T13KIS11 | T13KIS11 | T13KIS12 | T13KIS12 | T13KIS13 | T13KIS13 | T13KIS14 | T13KIS14 |
| F | | | | | T13KIS21 | T13KIS21 | T13KIS22 | T13KIS22 | T13KIS23 | T13KIS23 | T13KIS24 | T13KIS24 |

| | | | | | | | | |
|-----------|-----|-----|-------|---------|--------------|---------|------|---------|
| T14KIN2 | T14 | A07 | 0.619 | 0.568 | 0.568 | 0.025 | 2.75 | 0.070 |
| T14KIN2 | T14 | A08 | 0.625 | 0.574 | 0.574 | 0.026 | 2.75 | 0.071 |
| T14KIN3 | T14 | A09 | 0.122 | 0.071 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIN3 | T14 | A10 | 0.123 | 0.072 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIN4 | T14 | A11 | 0.140 | 0.089 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIN4 | T14 | A12 | 0.139 | 0.088 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T14 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T14KIS11 | T14 | B05 | 0.064 | 0.013 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIS11 | T14 | B06 | 0.066 | 0.015 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIS12 | T14 | B07 | 0.066 | 0.015 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIS12 | T14 | B08 | 0.067 | 0.016 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIS13 | T14 | B09 | 0.096 | 0.046 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIS13 | T14 | B10 | 0.100 | 0.049 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIS14 | T14 | B11 | 0.099 | 0.048 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIS14 | T14 | B12 | 0.098 | 0.047 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T14 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T14KIS21 | T14 | C05 | 0.062 | 0.011 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIS21 | T14 | C06 | 0.063 | 0.012 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIS22 | T14 | C07 | 0.074 | 0.023 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIS22 | T14 | C08 | 0.076 | 0.025 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIS23 | T14 | C09 | 0.240 | 0.190 | 0.190 | 0.007 | 2.75 | 0.020 |
| T14KIS23 | T14 | C10 | 0.247 | 0.196 | 0.196 | 0.008 | 2.75 | 0.021 |
| T14KIS24 | T14 | C11 | 0.093 | 0.042 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| T14KIS24 | T14 | C12 | 0.090 | 0.039 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T14 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | D12 | 0 | #VALUE! | #VALUE! | #VALUE! | 1 | #VALUE! |
| 0 | T14 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | E12 | 0 | #VALUE! | #VALUE! | #VALUE! | 1 | #VALUE! |
| 0 | T14 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | F12 | 0 | #VALUE! | #VALUE! | #VALUE! | 1 | #VALUE! |
| 0 | T14 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T14 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T14 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T14 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | 0.736 | 0.721 | 0.619 | 0.625 | 0.122 | 0.123 | 0.140 | 0.139 |
| B | | | | | 0.064 | 0.066 | 0.066 | 0.067 | 0.096 | 0.100 | 0.099 | 0.098 |
| C | | | | | 0.062 | 0.063 | 0.074 | 0.076 | 0.240 | 0.247 | 0.093 | 0.090 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | 0.044 | 0.043 | 0.044 | 0.048 | 0.046 | 0.043 |
| H | | | | | | | 0.042 | 0.044 | 0.041 | 0.042 | 0.045 | 0.044 |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|----------|----------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T14KIN1 | T14KIN1 | T14KIN2 | T14KIN2 | T14KIN3 | T14KIN3 | T14KIN4 | T14KIN4 |
| B | | | | | T14KIS11 | T14KIS11 | T14KIS12 | T14KIS12 | T14KIS13 | T14KIS13 | T14KIS14 | T14KIS14 |
| C | | | | | T14KIS21 | T14KIS21 | T14KIS22 | T14KIS22 | T14KIS23 | T14KIS23 | T14KIS24 | T14KIS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Date _____ Operator _____ Date _____ Control _____

| | | | | | | | | |
|--------------|-----|-----|---|---|--------------|---------|---|---------|
| Blank PEG | T14 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T14 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T14 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T14 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T14 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T14 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T14 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T14 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T14 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T14 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

| | | | | | |
|--------------------|--------------|----------------------------|-------------------------|-------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (Instrument meth) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| cold substance | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| n.a. | name | LDH | ACB-ID of cocktail | | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PE | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| | | | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|------|------|---------|-----------------------|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | Blank subtraction | [µg/mL] | [%] | |
| KLP1 | 0.148 | 1.579 | 1.652 | 1.627 | 1.62 | 0.03 | 1.87 | 0.047 | 1.568 | 0.148 | -0.24 | 0.00 |
| KLP2 | 0.114 | 1.357 | 1.443 | 1.372 | 1.39 | 0.04 | 2.70 | 0.054 | 1.340 | 0.110 | -3.40 | 0.00 |
| KLP3 | 0.074 | 1.272 | 1.193 | 1.228 | 1.23 | 0.03 | 2.63 | 0.051 | 1.180 | 0.084 | 13.04 | 0.01 |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.94 | 0.04 | 4.19 | 0.051 | 0.887 | 0.035 | -13.32 | -0.01 |
| KLP5 | | | | | | | | 0.052 | | | | |
| KLP6 | | | | | | | | 0.051 | | | | |
| KLP7 | | | | | | | | | | | | |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|-------------|
| Geradensteigung | Slope | m | 6.05 |
| Y-Achsenabschnitt | Y-intercept | b | 0.67 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.620291227 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.063894294 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.006578604 |
| Bereichsmittle | | f | 0.094336926 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 8.722319627 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 3.384093228 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.946914615 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | 0.398761518 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9897 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9794 |
| Reststandardabweichung | | S ₀ | 0.050310948 |
| Summe Restquadrat | | sd | 2.895683345 |
| Verfahrensstandardabw. | | S _{0p} | 0.008311454 |
| Rel. Verfahrensstandardabw. % | | V _{0p} | 8.810393374 |

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0 |
| x ² SD (LOD) | 0 |
| LLOQ (AU) | 0 |
| LOD (AU) | 0 |
| LLOQ | 1.568 |
| LLOQ (Lin) | 0.887 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date _____ Operator _____ Date _____ Control _____

| | | | |
|---------------|--|---------|---------------|
| Formblatt-Nr. | | Version | |
| Titel | | | |
| Gültig ab | | Ablage | Projektordner |

Figure 1 Linearity

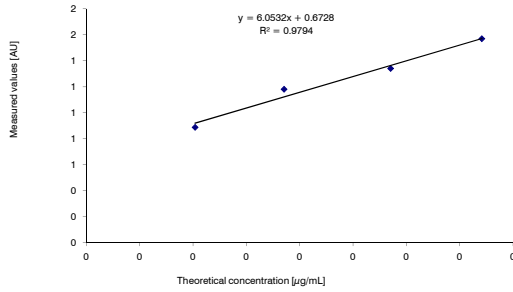
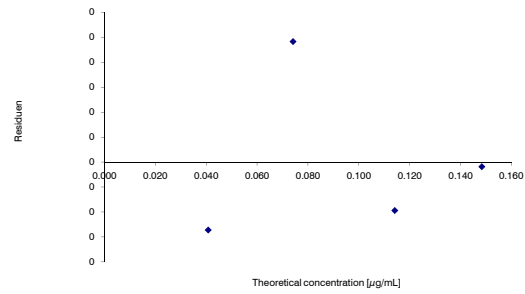


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | T8/T9 | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8KIN1 | T8/T9 | A05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIN1 | T8/T9 | A06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIN2 | T8/T9 | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| T8KIN2 | T8/T9 | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| T8KIN3 | T8/T9 | A09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIN3 | T8/T9 | A10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIN4 | T8/T9 | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| T8KIN4 | T8/T9 | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| 0 | T8/T9 | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| 0 | T8/T9 | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| 0 | T8/T9 | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| 0 | T8/T9 | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| T8KIS11 | T8/T9 | B05 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| T8KIS11 | T8/T9 | B06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIS12 | T8/T9 | B07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIS12 | T8/T9 | B08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIS13 | T8/T9 | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| T8KIS13 | T8/T9 | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| T8KIS14 | T8/T9 | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| T8KIS14 | T8/T9 | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| 0 | T8/T9 | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| 0 | T8/T9 | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| 0 | T8/T9 | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| 0 | T8/T9 | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | | |
| T8KIS21 | T8/T9 | C05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIS21 | T8/T9 | C06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIS22 | T8/T9 | C07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIS22 | T8/T9 | C08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIS23 | T8/T9 | C09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIS23 | T8/T9 | C10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | | |
| T8KIS24 | T8/T9 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T8KIS24 | T8/T9 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIN1 | T8/T9 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIN1 | T8/T9 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIN2 | T8/T9 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIN2 | T8/T9 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIN3 | T8/T9 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIN3 | T8/T9 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIN4 | T8/T9 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIN4 | T8/T9 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: T8/T9

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---------|---------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | T8KIN1 | T8KIN1 | T8KIN2 | T8KIN2 | T8KIN3 | T8KIN3 | T8KIN4 | T8KIN4 |
| C | | | | | T8KIS21 | T8KIS21 | T8KIS22 | T8KIS22 | T8KIS23 | T8KIS23 | T8KIS24 | T8KIS24 |
| D | | | | | T9KIN1 | T9KIN1 | T9KIN2 | T9KIN2 | T9KIN3 | T9KIN3 | T9KIN4 | T9KIN4 |
| E | | | | | T9KIS11 | T9KIS11 | T9KIS12 | T9KIS12 | T9KIS13 | T9KIS13 | T9KIS14 | T9KIS14 |
| F | | | | | T9KIS21 | T9KIS21 | T9KIS22 | T9KIS22 | T9KIS23 | T9KIS23 | T9KIS24 | T9KIS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:
alle Messwerte bei lin low

Samples aufgeteilt in lin high und low;niedriger konzentrierte Samples bei lin low zu finden.

Date Operator Date Control

| | | | | | | | | |
|--------------|-------|-----|-------|--------|--------------|---------|------|---------|
| 0 | T8/T9 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS11 | T8/T9 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS11 | T8/T9 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS12 | T8/T9 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS12 | T8/T9 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS13 | T8/T9 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS13 | T8/T9 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS14 | T8/T9 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS14 | T8/T9 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS21 | T8/T9 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS21 | T8/T9 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS22 | T8/T9 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS22 | T8/T9 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS23 | T8/T9 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS23 | T8/T9 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS24 | T8/T9 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| T9KIS24 | T8/T9 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | T8/T9 | G07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8/T9 | G08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8/T9 | G09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8/T9 | G10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8/T9 | G11 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | T8/T9 | G12 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | T8/T9 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | T8/T9 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | T8/T9 | H07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8/T9 | H08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8/T9 | H09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8/T9 | H10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8/T9 | H11 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | T8/T9 | H12 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | |
|----------|---------|-----|---|--------------|---------|----|---------|
| 0 | T10/T11 | A01 | 0 | kleiner LLOQ | #VALUE! | 2 | #VALUE! |
| 0 | T10/T11 | A02 | 0 | kleiner LLOQ | #VALUE! | 3 | #VALUE! |
| 0 | T10/T11 | A03 | 0 | kleiner LLOQ | #VALUE! | 4 | #VALUE! |
| 0 | T10/T11 | A04 | 0 | kleiner LLOQ | #VALUE! | 5 | #VALUE! |
| T10KiN1 | T10/T11 | A05 | 0 | kleiner LLOQ | #VALUE! | 6 | #VALUE! |
| T10KiN1 | T10/T11 | A06 | 0 | kleiner LLOQ | #VALUE! | 7 | #VALUE! |
| T10KiN2 | T10/T11 | A07 | 0 | kleiner LLOQ | #VALUE! | 8 | #VALUE! |
| T10KiN2 | T10/T11 | A08 | 0 | kleiner LLOQ | #VALUE! | 9 | #VALUE! |
| T10KiN3 | T10/T11 | A09 | 0 | kleiner LLOQ | #VALUE! | 10 | #VALUE! |
| T10KiN3 | T10/T11 | A10 | 0 | kleiner LLOQ | #VALUE! | 11 | #VALUE! |
| T10KiN4 | T10/T11 | A11 | 0 | kleiner LLOQ | #VALUE! | 12 | #VALUE! |
| T10KiN4 | T10/T11 | A12 | 0 | kleiner LLOQ | #VALUE! | 13 | #VALUE! |
| 0 | T10/T11 | B01 | 0 | kleiner LLOQ | #VALUE! | 14 | #VALUE! |
| 0 | T10/T11 | B02 | 0 | kleiner LLOQ | #VALUE! | 15 | #VALUE! |
| 0 | T10/T11 | B03 | 0 | kleiner LLOQ | #VALUE! | 16 | #VALUE! |
| 0 | T10/T11 | B04 | 0 | kleiner LLOQ | #VALUE! | 17 | #VALUE! |
| T10KiS11 | T10/T11 | B05 | 0 | kleiner LLOQ | #VALUE! | 18 | #VALUE! |
| T10KiS11 | T10/T11 | B06 | 0 | kleiner LLOQ | #VALUE! | 19 | #VALUE! |
| T10KiS12 | T10/T11 | B07 | 0 | kleiner LLOQ | #VALUE! | 20 | #VALUE! |
| T10KiS12 | T10/T11 | B08 | 0 | kleiner LLOQ | #VALUE! | 21 | #VALUE! |
| T10KiS13 | T10/T11 | B09 | 0 | kleiner LLOQ | #VALUE! | 22 | #VALUE! |
| T10KiS13 | T10/T11 | B10 | 0 | kleiner LLOQ | #VALUE! | 23 | #VALUE! |
| T10KiS14 | T10/T11 | B11 | 0 | kleiner LLOQ | #VALUE! | 24 | #VALUE! |
| T10KiS14 | T10/T11 | B12 | 0 | kleiner LLOQ | #VALUE! | 25 | #VALUE! |
| 0 | T10/T11 | C01 | 0 | kleiner LLOQ | #VALUE! | 26 | #VALUE! |
| 0 | T10/T11 | C02 | 0 | kleiner LLOQ | #VALUE! | 27 | #VALUE! |
| 0 | T10/T11 | C03 | 0 | kleiner LLOQ | #VALUE! | 28 | #VALUE! |
| 0 | T10/T11 | C04 | 0 | kleiner LLOQ | #VALUE! | 29 | #VALUE! |
| T10KiS21 | T10/T11 | C05 | 0 | kleiner LLOQ | #VALUE! | 30 | #VALUE! |
| T10KiS21 | T10/T11 | C06 | 0 | kleiner LLOQ | #VALUE! | 31 | #VALUE! |
| T10KiS22 | T10/T11 | C07 | 0 | kleiner LLOQ | #VALUE! | 32 | #VALUE! |
| T10KiS22 | T10/T11 | C08 | 0 | kleiner LLOQ | #VALUE! | 33 | #VALUE! |
| T10KiS23 | T10/T11 | C09 | 0 | kleiner LLOQ | #VALUE! | 34 | #VALUE! |
| T10KiS23 | T10/T11 | C10 | 0 | kleiner LLOQ | #VALUE! | 35 | #VALUE! |
| T10KiS24 | T10/T11 | C11 | 0 | kleiner LLOQ | #VALUE! | 36 | #VALUE! |
| T10KiS24 | T10/T11 | C12 | 0 | kleiner LLOQ | #VALUE! | 37 | #VALUE! |
| 0 | T10/T11 | D01 | 0 | kleiner LLOQ | #VALUE! | 38 | #VALUE! |
| 0 | T10/T11 | D02 | 0 | kleiner LLOQ | #VALUE! | 39 | #VALUE! |
| 0 | T10/T11 | D03 | 0 | kleiner LLOQ | #VALUE! | 40 | #VALUE! |
| 0 | T10/T11 | D04 | 0 | kleiner LLOQ | #VALUE! | 41 | #VALUE! |
| T11KiN1 | T10/T11 | D05 | 0 | kleiner LLOQ | #VALUE! | 42 | #VALUE! |
| T11KiN1 | T10/T11 | D06 | 0 | kleiner LLOQ | #VALUE! | 43 | #VALUE! |
| T11KiN2 | T10/T11 | D07 | 0 | kleiner LLOQ | #VALUE! | 44 | #VALUE! |
| T11KiN2 | T10/T11 | D08 | 0 | kleiner LLOQ | #VALUE! | 45 | #VALUE! |
| T11KiN3 | T10/T11 | D09 | 0 | kleiner LLOQ | #VALUE! | 46 | #VALUE! |
| T11KiN3 | T10/T11 | D10 | 0 | kleiner LLOQ | #VALUE! | 47 | #VALUE! |
| T11KiN4 | T10/T11 | D11 | 0 | kleiner LLOQ | #VALUE! | 48 | #VALUE! |
| T11KiN4 | T10/T11 | D12 | 0 | kleiner LLOQ | #VALUE! | 49 | #VALUE! |

Plate: T10/T11

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|----------|----------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | T10KiN1 | T10KiN1 | T10KiN2 | T10KiN2 | T10KiN3 | T10KiN3 | T10KiN4 | T10KiN4 |
| B | | | | | T10KiS11 | T10KiS11 | T10KiS12 | T10KiS12 | T10KiS13 | T10KiS13 | T10KiS14 | T10KiS14 |
| C | | | | | T10KiS21 | T10KiS21 | T10KiS22 | T10KiS22 | T10KiS23 | T10KiS23 | T10KiS24 | T10KiS24 |
| D | | | | | T11KiN1 | T11KiN1 | T11KiN2 | T11KiN2 | T11KiN3 | T11KiN3 | T11KiN4 | T11KiN4 |
| E | | | | | T11KiS11 | T11KiS11 | T11KiS12 | T11KiS12 | T11KiS13 | T11KiS13 | T11KiS14 | T11KiS14 |
| F | | | | | T11KiS21 | T11KiS21 | T11KiS22 | T11KiS22 | T11KiS23 | T11KiS23 | T11KiS24 | T11KiS24 |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

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Date Operator Date Control

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|--------------|---------|-----|---|--------------|---------|-----|---------|
| 0 | T10/T11 | E01 | 0 | kleiner LLOQ | #VALUE! | 50 | #VALUE! |
| 0 | T10/T11 | E02 | 0 | kleiner LLOQ | #VALUE! | 51 | #VALUE! |
| 0 | T10/T11 | E03 | 0 | kleiner LLOQ | #VALUE! | 52 | #VALUE! |
| 0 | T10/T11 | E04 | 0 | kleiner LLOQ | #VALUE! | 53 | #VALUE! |
| T11KIS11 | T10/T11 | E05 | 0 | kleiner LLOQ | #VALUE! | 54 | #VALUE! |
| T11KIS11 | T10/T11 | E06 | 0 | kleiner LLOQ | #VALUE! | 55 | #VALUE! |
| T11KIS12 | T10/T11 | E07 | 0 | kleiner LLOQ | #VALUE! | 56 | #VALUE! |
| T11KIS12 | T10/T11 | E08 | 0 | kleiner LLOQ | #VALUE! | 57 | #VALUE! |
| T11KIS13 | T10/T11 | E09 | 0 | kleiner LLOQ | #VALUE! | 58 | #VALUE! |
| T11KIS13 | T10/T11 | E10 | 0 | kleiner LLOQ | #VALUE! | 59 | #VALUE! |
| T11KIS14 | T10/T11 | E11 | 0 | kleiner LLOQ | #VALUE! | 60 | #VALUE! |
| T11KIS14 | T10/T11 | E12 | 0 | kleiner LLOQ | #VALUE! | 61 | #VALUE! |
| 0 | T10/T11 | F01 | 0 | kleiner LLOQ | #VALUE! | 62 | #VALUE! |
| 0 | T10/T11 | F02 | 0 | kleiner LLOQ | #VALUE! | 63 | #VALUE! |
| 0 | T10/T11 | F03 | 0 | kleiner LLOQ | #VALUE! | 64 | #VALUE! |
| 0 | T10/T11 | F04 | 0 | kleiner LLOQ | #VALUE! | 65 | #VALUE! |
| T11KIS21 | T10/T11 | F05 | 0 | kleiner LLOQ | #VALUE! | 66 | #VALUE! |
| T11KIS21 | T10/T11 | F06 | 0 | kleiner LLOQ | #VALUE! | 67 | #VALUE! |
| T11KIS22 | T10/T11 | F07 | 0 | kleiner LLOQ | #VALUE! | 68 | #VALUE! |
| T11KIS22 | T10/T11 | F08 | 0 | kleiner LLOQ | #VALUE! | 69 | #VALUE! |
| T11KIS23 | T10/T11 | F09 | 0 | kleiner LLOQ | #VALUE! | 70 | #VALUE! |
| T11KIS23 | T10/T11 | F10 | 0 | kleiner LLOQ | #VALUE! | 71 | #VALUE! |
| T11KIS24 | T10/T11 | F11 | 0 | kleiner LLOQ | #VALUE! | 72 | #VALUE! |
| T11KIS24 | T10/T11 | F12 | 0 | kleiner LLOQ | #VALUE! | 73 | #VALUE! |
| 0 | T10/T11 | G01 | 0 | kleiner LLOQ | #VALUE! | 74 | #VALUE! |
| 0 | T10/T11 | G02 | 0 | kleiner LLOQ | #VALUE! | 75 | #VALUE! |
| 0 | T10/T11 | G03 | 0 | kleiner LLOQ | #VALUE! | 76 | #VALUE! |
| 0 | T10/T11 | G04 | 0 | kleiner LLOQ | #VALUE! | 77 | #VALUE! |
| 0 | T10/T11 | G05 | 0 | kleiner LLOQ | #VALUE! | 78 | #VALUE! |
| 0 | T10/T11 | G06 | 0 | kleiner LLOQ | #VALUE! | 79 | #VALUE! |
| Blank PEG | T10/T11 | G07 | 0 | kleiner LLOQ | #VALUE! | 80 | #VALUE! |
| Blank PEG | T10/T11 | G08 | 0 | kleiner LLOQ | #VALUE! | 81 | #VALUE! |
| Blank PEG | T10/T11 | G09 | 0 | kleiner LLOQ | #VALUE! | 82 | #VALUE! |
| Blank PEG | T10/T11 | G10 | 0 | kleiner LLOQ | #VALUE! | 83 | #VALUE! |
| Blank PEG | T10/T11 | G11 | 0 | kleiner LLOQ | #VALUE! | 84 | #VALUE! |
| Blank PEG | T10/T11 | G12 | 0 | kleiner LLOQ | #VALUE! | 85 | #VALUE! |
| 0 | T10/T11 | H01 | 0 | kleiner LLOQ | #VALUE! | 86 | #VALUE! |
| 0 | T10/T11 | H02 | 0 | kleiner LLOQ | #VALUE! | 87 | #VALUE! |
| 0 | T10/T11 | H03 | 0 | kleiner LLOQ | #VALUE! | 88 | #VALUE! |
| 0 | T10/T11 | H04 | 0 | kleiner LLOQ | #VALUE! | 89 | #VALUE! |
| 0 | T10/T11 | H05 | 0 | kleiner LLOQ | #VALUE! | 90 | #VALUE! |
| 0 | T10/T11 | H06 | 0 | kleiner LLOQ | #VALUE! | 91 | #VALUE! |
| Blank no PEG | T10/T11 | H07 | 0 | kleiner LLOQ | #VALUE! | 92 | #VALUE! |
| Blank no PEG | T10/T11 | H08 | 0 | kleiner LLOQ | #VALUE! | 93 | #VALUE! |
| Blank no PEG | T10/T11 | H09 | 0 | kleiner LLOQ | #VALUE! | 94 | #VALUE! |
| Blank no PEG | T10/T11 | H10 | 0 | kleiner LLOQ | #VALUE! | 95 | #VALUE! |
| Blank no PEG | T10/T11 | H11 | 0 | kleiner LLOQ | #VALUE! | 96 | #VALUE! |
| Blank no PEG | T10/T11 | H12 | 0 | kleiner LLOQ | #VALUE! | 97 | #VALUE! |
| 0 | T12/T13 | A01 | 0 | kleiner LLOQ | #VALUE! | 98 | #VALUE! |
| 0 | T12/T13 | A02 | 0 | kleiner LLOQ | #VALUE! | 99 | #VALUE! |
| 0 | T12/T13 | A03 | 0 | kleiner LLOQ | #VALUE! | 100 | #VALUE! |
| 0 | T12/T13 | A04 | 0 | kleiner LLOQ | #VALUE! | 101 | #VALUE! |
| T12KIN1 | T12/T13 | A05 | 0 | kleiner LLOQ | #VALUE! | 102 | #VALUE! |
| T12KIN1 | T12/T13 | A06 | 0 | kleiner LLOQ | #VALUE! | 103 | #VALUE! |
| T12KIN2 | T12/T13 | A07 | 0 | kleiner LLOQ | #VALUE! | 104 | #VALUE! |
| T12KIN2 | T12/T13 | A08 | 0 | kleiner LLOQ | #VALUE! | 105 | #VALUE! |
| T12KIN3 | T12/T13 | A09 | 0 | kleiner LLOQ | #VALUE! | 106 | #VALUE! |
| T12KIN3 | T12/T13 | A10 | 0 | kleiner LLOQ | #VALUE! | 107 | #VALUE! |
| T12KIN4 | T12/T13 | A11 | 0 | kleiner LLOQ | #VALUE! | 108 | #VALUE! |
| T12KIN4 | T12/T13 | A12 | 0 | kleiner LLOQ | #VALUE! | 109 | #VALUE! |
| 0 | T12/T13 | B01 | 0 | kleiner LLOQ | #VALUE! | 110 | #VALUE! |
| 0 | T12/T13 | B02 | 0 | kleiner LLOQ | #VALUE! | 111 | #VALUE! |
| 0 | T12/T13 | B03 | 0 | kleiner LLOQ | #VALUE! | 112 | #VALUE! |
| 0 | T12/T13 | B04 | 0 | kleiner LLOQ | #VALUE! | 113 | #VALUE! |
| T12KIS11 | T12/T13 | B05 | 0 | kleiner LLOQ | #VALUE! | 114 | #VALUE! |
| T12KIS11 | T12/T13 | B06 | 0 | kleiner LLOQ | #VALUE! | 115 | #VALUE! |
| T12KIS12 | T12/T13 | B07 | 0 | kleiner LLOQ | #VALUE! | 116 | #VALUE! |
| T12KIS12 | T12/T13 | B08 | 0 | kleiner LLOQ | #VALUE! | 117 | #VALUE! |
| T12KIS13 | T12/T13 | B09 | 0 | kleiner LLOQ | #VALUE! | 118 | #VALUE! |
| T12KIS13 | T12/T13 | B10 | 0 | kleiner LLOQ | #VALUE! | 119 | #VALUE! |
| T12KIS14 | T12/T13 | B11 | 0 | kleiner LLOQ | #VALUE! | 120 | #VALUE! |
| T12KIS14 | T12/T13 | B12 | 0 | kleiner LLOQ | #VALUE! | 121 | #VALUE! |
| 0 | T12/T13 | C01 | 0 | kleiner LLOQ | #VALUE! | 122 | #VALUE! |
| 0 | T12/T13 | C02 | 0 | kleiner LLOQ | #VALUE! | 123 | #VALUE! |
| 0 | T12/T13 | C03 | 0 | kleiner LLOQ | #VALUE! | 124 | #VALUE! |
| 0 | T12/T13 | C04 | 0 | kleiner LLOQ | #VALUE! | 125 | #VALUE! |
| T12KIS21 | T12/T13 | C05 | 0 | kleiner LLOQ | #VALUE! | 126 | #VALUE! |
| T12KIS21 | T12/T13 | C06 | 0 | kleiner LLOQ | #VALUE! | 127 | #VALUE! |
| T12KIS22 | T12/T13 | C07 | 0 | kleiner LLOQ | #VALUE! | 128 | #VALUE! |
| T12KIS22 | T12/T13 | C08 | 0 | kleiner LLOQ | #VALUE! | 129 | #VALUE! |
| T12KIS23 | T12/T13 | C09 | 0 | kleiner LLOQ | #VALUE! | 130 | #VALUE! |

Plate: T12/T13

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|----------|----------|----------|----------|----------|--------------|--------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | T12KIN1 | T12KIN1 | T12KIN2 | T12KIN3 | T12KIN3 | T12KIN3 | T12KIN4 | T12KIN4 |
| B | | | | | T12KIS11 | T12KIS11 | T12KIS12 | T12KIS12 | T12KIS13 | T12KIS13 | T12KIS14 | T12KIS14 |
| C | | | | | T12KIS21 | T12KIS21 | T12KIS22 | T12KIS22 | T12KIS23 | T12KIS23 | T12KIS24 | T12KIS24 |
| D | | | | | T13KIN1 | T13KIN1 | T13KIN2 | T13KIN2 | T13KIN3 | T13KIN3 | T13KIN4 | T13KIN4 |
| E | | | | | T13KIS11 | T13KIS11 | T13KIS12 | T13KIS12 | T13KIS13 | T13KIS13 | T13KIS14 | T13KIS14 |
| F | | | | | T13KIS21 | T13KIS21 | T13KIS22 | T13KIS22 | T13KIS23 | T13KIS23 | T13KIS24 | T13KIS24 |
| G | | | | | | | | | | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG |

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|--------------|---------|-----|---|---|--------------|---------|-----|---------|
| T12KIS23 | T12/T13 | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 131 | #VALUE! |
| T12KIS24 | T12/T13 | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 132 | #VALUE! |
| T12KIS24 | T12/T13 | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 133 | #VALUE! |
| 0 | T12/T13 | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 134 | #VALUE! |
| 0 | T12/T13 | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 135 | #VALUE! |
| 0 | T12/T13 | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 136 | #VALUE! |
| 0 | T12/T13 | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 137 | #VALUE! |
| T13KIN1 | T12/T13 | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 138 | #VALUE! |
| T13KIN1 | T12/T13 | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 139 | #VALUE! |
| T13KIN2 | T12/T13 | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 140 | #VALUE! |
| T13KIN2 | T12/T13 | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 141 | #VALUE! |
| T13KIN3 | T12/T13 | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 142 | #VALUE! |
| T13KIN3 | T12/T13 | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 143 | #VALUE! |
| T13KIN4 | T12/T13 | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 144 | #VALUE! |
| T13KIN4 | T12/T13 | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 145 | #VALUE! |
| 0 | T12/T13 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 146 | #VALUE! |
| 0 | T12/T13 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 147 | #VALUE! |
| 0 | T12/T13 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 148 | #VALUE! |
| 0 | T12/T13 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 149 | #VALUE! |
| T13KIS11 | T12/T13 | E05 | 0 | 0 | kleiner LLOQ | #VALUE! | 150 | #VALUE! |
| T13KIS11 | T12/T13 | E06 | 0 | 0 | kleiner LLOQ | #VALUE! | 151 | #VALUE! |
| T13KIS12 | T12/T13 | E07 | 0 | 0 | kleiner LLOQ | #VALUE! | 152 | #VALUE! |
| T13KIS12 | T12/T13 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 153 | #VALUE! |
| T13KIS13 | T12/T13 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 154 | #VALUE! |
| T13KIS13 | T12/T13 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 155 | #VALUE! |
| T13KIS14 | T12/T13 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 156 | #VALUE! |
| T13KIS14 | T12/T13 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 157 | #VALUE! |
| 0 | T12/T13 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 158 | #VALUE! |
| 0 | T12/T13 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 159 | #VALUE! |
| 0 | T12/T13 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 160 | #VALUE! |
| 0 | T12/T13 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 161 | #VALUE! |
| T13KIS21 | T12/T13 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 162 | #VALUE! |
| T13KIS21 | T12/T13 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 163 | #VALUE! |
| T13KIS22 | T12/T13 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 164 | #VALUE! |
| T13KIS22 | T12/T13 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 165 | #VALUE! |
| T13KIS23 | T12/T13 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 166 | #VALUE! |
| T13KIS23 | T12/T13 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 167 | #VALUE! |
| T13KIS24 | T12/T13 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 168 | #VALUE! |
| T13KIS24 | T12/T13 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 169 | #VALUE! |
| 0 | T12/T13 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 170 | #VALUE! |
| 0 | T12/T13 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 171 | #VALUE! |
| 0 | T12/T13 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 172 | #VALUE! |
| 0 | T12/T13 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 173 | #VALUE! |
| 0 | T12/T13 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 174 | #VALUE! |
| 0 | T12/T13 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 175 | #VALUE! |
| Blank PEG | T12/T13 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 176 | #VALUE! |
| Blank PEG | T12/T13 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 177 | #VALUE! |
| Blank PEG | T12/T13 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 178 | #VALUE! |
| Blank PEG | T12/T13 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 179 | #VALUE! |
| Blank PEG | T12/T13 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 180 | #VALUE! |
| Blank PEG | T12/T13 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 181 | #VALUE! |
| 0 | T12/T13 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 182 | #VALUE! |
| 0 | T12/T13 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 183 | #VALUE! |
| 0 | T12/T13 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 184 | #VALUE! |
| 0 | T12/T13 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 185 | #VALUE! |
| 0 | T12/T13 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 186 | #VALUE! |
| 0 | T12/T13 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 187 | #VALUE! |
| Blank no PEG | T12/T13 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 188 | #VALUE! |
| Blank no PEG | T12/T13 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 189 | #VALUE! |
| Blank no PEG | T12/T13 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 190 | #VALUE! |
| Blank no PEG | T12/T13 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 191 | #VALUE! |
| Blank no PEG | T12/T13 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 192 | #VALUE! |
| Blank no PEG | T12/T13 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 193 | #VALUE! |



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| | | | | | | | |
|-----------|-----|-----|---|--------------|---------|-----|---------|
| 0 | T14 | A01 | 0 | kleiner LLOQ | #VALUE! | 194 | #VALUE! |
| 0 | T14 | A02 | 0 | kleiner LLOQ | #VALUE! | 195 | #VALUE! |
| 0 | T14 | A03 | 0 | kleiner LLOQ | #VALUE! | 196 | #VALUE! |
| 0 | T14 | A04 | 0 | kleiner LLOQ | #VALUE! | 197 | #VALUE! |
| T14KiIN1 | T14 | A05 | 0 | kleiner LLOQ | #VALUE! | 198 | #VALUE! |
| T14KiIN1 | T14 | A06 | 0 | kleiner LLOQ | #VALUE! | 199 | #VALUE! |
| T14KiIN2 | T14 | A07 | 0 | kleiner LLOQ | #VALUE! | 200 | #VALUE! |
| T14KiIN2 | T14 | A08 | 0 | kleiner LLOQ | #VALUE! | 201 | #VALUE! |
| T14KiIN3 | T14 | A09 | 0 | kleiner LLOQ | #VALUE! | 202 | #VALUE! |
| T14KiIN3 | T14 | A10 | 0 | kleiner LLOQ | #VALUE! | 203 | #VALUE! |
| T14KiIN4 | T14 | A11 | 0 | kleiner LLOQ | #VALUE! | 204 | #VALUE! |
| T14KiIN4 | T14 | A12 | 0 | kleiner LLOQ | #VALUE! | 205 | #VALUE! |
| 0 | T14 | B01 | 0 | kleiner LLOQ | #VALUE! | 206 | #VALUE! |
| 0 | T14 | B02 | 0 | kleiner LLOQ | #VALUE! | 207 | #VALUE! |
| 0 | T14 | B03 | 0 | kleiner LLOQ | #VALUE! | 208 | #VALUE! |
| 0 | T14 | B04 | 0 | kleiner LLOQ | #VALUE! | 209 | #VALUE! |
| T14KiIS11 | T14 | B05 | 0 | kleiner LLOQ | #VALUE! | 210 | #VALUE! |
| T14KiIS11 | T14 | B06 | 0 | kleiner LLOQ | #VALUE! | 211 | #VALUE! |
| T14KiIS12 | T14 | B07 | 0 | kleiner LLOQ | #VALUE! | 212 | #VALUE! |
| T14KiIS12 | T14 | B08 | 0 | kleiner LLOQ | #VALUE! | 213 | #VALUE! |
| T14KiIS13 | T14 | B09 | 0 | kleiner LLOQ | #VALUE! | 214 | #VALUE! |
| T14KiIS13 | T14 | B10 | 0 | kleiner LLOQ | #VALUE! | 215 | #VALUE! |
| T14KiIS14 | T14 | B11 | 0 | kleiner LLOQ | #VALUE! | 216 | #VALUE! |
| T14KiIS14 | T14 | B12 | 0 | kleiner LLOQ | #VALUE! | 217 | #VALUE! |
| 0 | T14 | C01 | 0 | kleiner LLOQ | #VALUE! | 218 | #VALUE! |
| 0 | T14 | C02 | 0 | kleiner LLOQ | #VALUE! | 219 | #VALUE! |
| 0 | T14 | C03 | 0 | kleiner LLOQ | #VALUE! | 220 | #VALUE! |
| 0 | T14 | C04 | 0 | kleiner LLOQ | #VALUE! | 221 | #VALUE! |
| T14KiIS21 | T14 | C05 | 0 | kleiner LLOQ | #VALUE! | 222 | #VALUE! |
| T14KiIS21 | T14 | C06 | 0 | kleiner LLOQ | #VALUE! | 223 | #VALUE! |
| T14KiIS22 | T14 | C07 | 0 | kleiner LLOQ | #VALUE! | 224 | #VALUE! |
| T14KiIS22 | T14 | C08 | 0 | kleiner LLOQ | #VALUE! | 225 | #VALUE! |
| T14KiIS23 | T14 | C09 | 0 | kleiner LLOQ | #VALUE! | 226 | #VALUE! |
| T14KiIS23 | T14 | C10 | 0 | kleiner LLOQ | #VALUE! | 227 | #VALUE! |
| T14KiIS24 | T14 | C11 | 0 | kleiner LLOQ | #VALUE! | 228 | #VALUE! |
| T14KiIS24 | T14 | C12 | 0 | kleiner LLOQ | #VALUE! | 229 | #VALUE! |
| 0 | T14 | D01 | 0 | kleiner LLOQ | #VALUE! | 230 | #VALUE! |
| 0 | T14 | D02 | 0 | kleiner LLOQ | #VALUE! | 231 | #VALUE! |
| 0 | T14 | D03 | 0 | kleiner LLOQ | #VALUE! | 232 | #VALUE! |
| 0 | T14 | D04 | 0 | kleiner LLOQ | #VALUE! | 233 | #VALUE! |
| 0 | T14 | D05 | 0 | kleiner LLOQ | #VALUE! | 234 | #VALUE! |
| 0 | T14 | D06 | 0 | kleiner LLOQ | #VALUE! | 235 | #VALUE! |
| 0 | T14 | D07 | 0 | kleiner LLOQ | #VALUE! | 236 | #VALUE! |
| 0 | T14 | D08 | 0 | kleiner LLOQ | #VALUE! | 237 | #VALUE! |
| 0 | T14 | D09 | 0 | kleiner LLOQ | #VALUE! | 238 | #VALUE! |
| 0 | T14 | D10 | 0 | kleiner LLOQ | #VALUE! | 239 | #VALUE! |
| 0 | T14 | D11 | 0 | kleiner LLOQ | #VALUE! | 240 | #VALUE! |
| 0 | T14 | D12 | 0 | kleiner LLOQ | #VALUE! | 241 | #VALUE! |
| 0 | T14 | E01 | 0 | kleiner LLOQ | #VALUE! | 242 | #VALUE! |
| 0 | T14 | E02 | 0 | kleiner LLOQ | #VALUE! | 243 | #VALUE! |
| 0 | T14 | E03 | 0 | kleiner LLOQ | #VALUE! | 244 | #VALUE! |
| 0 | T14 | E04 | 0 | kleiner LLOQ | #VALUE! | 245 | #VALUE! |
| 0 | T14 | E05 | 0 | kleiner LLOQ | #VALUE! | 246 | #VALUE! |
| 0 | T14 | E06 | 0 | kleiner LLOQ | #VALUE! | 247 | #VALUE! |
| 0 | T14 | E07 | 0 | kleiner LLOQ | #VALUE! | 248 | #VALUE! |
| 0 | T14 | E08 | 0 | kleiner LLOQ | #VALUE! | 249 | #VALUE! |
| 0 | T14 | E09 | 0 | kleiner LLOQ | #VALUE! | 250 | #VALUE! |

Plate: T14

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|-----------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | T14KiIN1 | T14KiIN1 | T14KiIN2 | T14KiIN2 | T14KiIN3 | T14KiIN3 | T14KiIN4 | T14KiIN4 |
| B | | | | | T14KiIS11 | T14KiIS11 | T14KiIS12 | T14KiIS12 | T14KiIS13 | T14KiIS13 | T14KiIS14 | T14KiIS14 |
| C | | | | | T14KiIS21 | T14KiIS21 | T14KiIS22 | T14KiIS22 | T14KiIS23 | T14KiIS23 | T14KiIS24 | T14KiIS24 |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

alle Messwerte bei lin low

Date Operator

Date Control

| | | | | | | | | |
|--------------|-----|-----|---|---|--------------|---------|-----|---------|
| 0 | T14 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 251 | #VALUE! |
| 0 | T14 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 252 | #VALUE! |
| 0 | T14 | E12 | 0 | 0 | kleiner LLOQ | #VALUE! | 253 | #VALUE! |
| 0 | T14 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 254 | #VALUE! |
| 0 | T14 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 255 | #VALUE! |
| 0 | T14 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 256 | #VALUE! |
| 0 | T14 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 257 | #VALUE! |
| 0 | T14 | F05 | 0 | 0 | kleiner LLOQ | #VALUE! | 258 | #VALUE! |
| 0 | T14 | F06 | 0 | 0 | kleiner LLOQ | #VALUE! | 259 | #VALUE! |
| 0 | T14 | F07 | 0 | 0 | kleiner LLOQ | #VALUE! | 260 | #VALUE! |
| 0 | T14 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 261 | #VALUE! |
| 0 | T14 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 262 | #VALUE! |
| 0 | T14 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 263 | #VALUE! |
| 0 | T14 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 264 | #VALUE! |
| 0 | T14 | F12 | 0 | 0 | kleiner LLOQ | #VALUE! | 265 | #VALUE! |
| 0 | T14 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 266 | #VALUE! |
| 0 | T14 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 267 | #VALUE! |
| 0 | T14 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 268 | #VALUE! |
| 0 | T14 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 269 | #VALUE! |
| 0 | T14 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 270 | #VALUE! |
| 0 | T14 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 271 | #VALUE! |
| Blank PEG | T14 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 272 | #VALUE! |
| Blank PEG | T14 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 273 | #VALUE! |
| Blank PEG | T14 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 274 | #VALUE! |
| Blank PEG | T14 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 275 | #VALUE! |
| Blank PEG | T14 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 276 | #VALUE! |
| Blank PEG | T14 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 277 | #VALUE! |
| 0 | T14 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 278 | #VALUE! |
| 0 | T14 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 279 | #VALUE! |
| 0 | T14 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 280 | #VALUE! |
| 0 | T14 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 281 | #VALUE! |
| 0 | T14 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 282 | #VALUE! |
| 0 | T14 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 283 | #VALUE! |
| Blank no PEG | T14 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 284 | #VALUE! |
| Blank no PEG | T14 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 285 | #VALUE! |
| Blank no PEG | T14 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 286 | #VALUE! |
| Blank no PEG | T14 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 287 | #VALUE! |
| Blank no PEG | T14 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 288 | #VALUE! |
| Blank no PEG | T14 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 289 | #VALUE! |

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.447 | 1.739 | | 1.170 | | | | | | 0.667 | 0.440 | 0.043 |
| 1.447 | 1.332 | | 1.392 | 0.137 | 0.146 | 0.130 | 0.138 | 0.109 | 0.729 | 0.478 | 0.042 |
| 1.391 | 1.281 | | 1.311 | 0.204 | 0.184 | 0.184 | 0.198 | 0.201 | 0.743 | 0.474 | 0.043 |
| 0.961 | 0.835 | | 1.405 | 0.336 | 0.347 | 0.375 | 0.387 | 0.300 | 0.824 | 0.483 | 0.044 |
| 0.445 | 0.441 | | 1.280 | 1.085 | 1.086 | 1.218 | 1.004 | 0.873 | 0.704 | 0.457 | 0.041 |
| 0.355 | 0.315 | | 1.332 | 1.768 | 1.925 | 1.753 | 1.739 | 1.606 | | | 0.036 |
| 0.223 | 0.188 | 1.666 | 1.499 | 1.632 | | 0.048 | 0.046 | 0.047 | 0.048 | 0.048 | 0.048 |
| 0.118 | 0.106 | 1.556 | 1.622 | 1.573 | | 0.047 | 0.054 | 0.051 | 0.051 | 0.052 | 0.051 |

1

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.652 | 1.627 | | 1.188 | 0.748 | 0.811 | 0.764 | 0.753 | 0.674 | 0.751 | 0.529 | 0.044 |
| 1.443 | 1.372 | | 1.364 | 0.139 | 0.147 | 0.131 | 0.139 | 0.110 | 0.811 | 0.561 | 0.043 |
| 1.377 | 1.281 | | 1.284 | 0.206 | 0.189 | 0.184 | 0.200 | 0.202 | 0.821 | 0.560 | 0.044 |
| 0.972 | 0.883 | | 1.387 | 0.339 | 0.349 | 0.386 | 0.406 | 0.312 | 0.903 | 0.565 | 0.044 |
| 0.484 | 0.474 | | 1.298 | 1.087 | 1.113 | 1.203 | 1.022 | 0.903 | 0.790 | 0.544 | 0.042 |
| 0.359 | 0.326 | | 1.308 | 1.622 | 1.622 | 1.630 | 1.625 | 1.550 | | | 0.037 |
| 0.228 | 0.199 | 1.527 | 1.373 | 1.462 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.109 | 1.473 | 1.410 | 1.371 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

2

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.579 | 1.475 | | 1.150 | 1.210 | 1.303 | 1.202 | 1.219 | 1.125 | 0.759 | 0.549 | 0.043 |
| 1.357 | 1.303 | | 1.283 | 0.140 | 0.148 | 0.131 | 0.139 | 0.111 | 0.820 | 0.575 | 0.043 |
| 1.323 | 1.228 | | 1.227 | 0.206 | 0.188 | 0.184 | 0.198 | 0.201 | 0.824 | 0.579 | 0.043 |
| 0.959 | 0.872 | | 1.321 | 0.339 | 0.348 | 0.387 | 0.406 | 0.314 | 0.909 | 0.580 | 0.044 |
| 0.483 | 0.473 | | 1.270 | 1.069 | 1.103 | 1.181 | 1.017 | 0.903 | 0.798 | 0.560 | 0.042 |
| 0.360 | 0.326 | | 1.270 | 1.497 | 1.448 | 1.496 | 1.494 | 1.449 | | | 0.037 |
| 0.228 | 0.199 | 1.374 | 1.262 | 1.314 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.346 | 1.262 | 1.253 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

3

| | | | | | | | | | | | |
|-------|-------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.511 | 1.369 | | | 1.538 | 1.712 | 1.528 | 1.502 | 1.425 | | | 0.043 |
| 1.296 | 1.261 | | | | | | | | | | 0.043 |
| 1.272 | 1.193 | | | | | | | | | | 0.043 |
| 0.947 | 0.859 | | | | | | | | | | 0.044 |
| 0.481 | 0.471 | | | | | | | | | | 0.042 |
| 0.361 | 0.325 | | | | | | | | | | 0.037 |
| 0.229 | 0.199 | | | | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.047 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

4

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.493 | 1.317 | 1.678 | 1.110 | 1.621 | 1.807 | 1.618 | 1.584 | 1.508 | 0.765 | 0.597 | 0.043 |
| 1.259 | 1.238 | 1.850 | 1.197 | 0.139 | 0.150 | 0.132 | 0.139 | 0.111 | 0.821 | 0.588 | 0.043 |
| 1.248 | 1.175 | 1.816 | 1.153 | 0.204 | 0.188 | 0.184 | 0.197 | 0.199 | 0.831 | 0.599 | 0.044 |
| 0.943 | 0.859 | 1.970 | 1.231 | 0.338 | 0.357 | 0.386 | 0.406 | 0.316 | 0.916 | 0.595 | 0.044 |
| 0.480 | 0.470 | 2.220 | 1.220 | 1.054 | 1.088 | 1.154 | 1.006 | 0.902 | 0.805 | 0.579 | 0.042 |
| 0.359 | 0.325 | 2.149 | 1.211 | 1.395 | 1.324 | 1.348 | 1.345 | 1.317 | 0.037 | 0.037 | 0.037 |
| 0.228 | 0.199 | 1.240 | 1.151 | 1.183 | 0.034 | 0.049 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.223 | 1.132 | 1.146 | 0.038 | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

5

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|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.434 | 1.258 | | 1.090 | 1.648 | 1.876 | 1.649 | 1.627 | 1.535 | | | |
| 1.217 | 1.201 | | 1.149 | | | | | | | | |
| 1.205 | 1.143 | | 1.109 | | | | | | | | |
| 0.935 | 0.845 | | 1.182 | | | | | | | | |
| 0.477 | 0.469 | | 1.181 | | | | | | | | |
| 0.360 | 0.323 | | 1.167 | | | | | | | | |
| 0.229 | 0.200 | | | | | 0.049 | 0.047 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

6

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.013 | 0.810 | | 0.668 | 0.808 | 0.940 | 0.720 | 0.798 | 0.687 | 0.904 | 0.845 | 0.043 |
| 0.709 | 0.827 | | 0.703 | 0.142 | 0.156 | 0.136 | 0.137 | 0.116 | 0.990 | 0.846 | 0.042 |
| 0.682 | 0.692 | | 0.680 | 0.197 | 0.188 | 0.190 | 0.191 | 0.184 | 1.023 | 0.861 | 0.043 |
| 0.507 | 0.519 | | 0.740 | 0.316 | 0.264 | 0.364 | 0.377 | 0.312 | 1.111 | 0.870 | 0.043 |
| 0.394 | 0.406 | | 0.682 | 0.580 | 0.561 | 0.600 | 0.529 | 0.563 | 0.962 | 0.834 | 0.042 |
| 0.333 | 0.322 | | 0.661 | 0.995 | 0.930 | 0.848 | 0.832 | 0.797 | 0.037 | 0.037 | 0.037 |
| 0.229 | 0.201 | 0.843 | 0.679 | 0.732 | | 0.048 | 0.046 | 0.047 | | | 0.047 |
| 0.124 | 0.111 | 0.773 | 0.682 | 0.701 | | 0.047 | 0.053 | 0.051 | 0.051 | 0.052 | 0.051 |

7

skin cultivation

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|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | | | | 0.742 | 0.708 | 0.415 | 0.444 | 0.158 | 0.154 | 0.055 | 0.055 | T8/T9 hd |
| | | | | 0.063 | 0.064 | 0.221 | 0.273 | 0.109 | 0.217 | 0.074 | 0.061 | |
| | | | | 0.346 | 0.348 | 0.086 | 0.090 | 0.202 | 0.149 | 0.061 | 0.054 | |
| | | | | 0.692 | 0.579 | 0.503 | 0.503 | 0.249 | 0.260 | 0.146 | 0.144 | |
| | | | | 0.037 | 0.159 | 0.164 | 0.211 | 0.209 | 0.141 | 0.109 | 0.251 | |
| | | | | 0.255 | 0.243 | 0.076 | 0.078 | 0.233 | 0.242 | 0.387 | 0.318 | |
| | | | | | | 0.050 | 0.043 | 0.047 | 0.050 | 0.049 | 0.047 | |
| | | | | | | 0.042 | 0.045 | 0.041 | 0.040 | 0.040 | 0.047 | |

| | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| 0.038 | 0.038 | 0.037 | 0.038 | 1.321 | 1.278 | 0.836 | 0.885 | 0.345 | 0.335 | 0.073 | 0.072 | T8/T9 hd WH |
| 0.038 | 0.037 | 0.037 | 0.037 | 0.099 | 0.101 | 0.502 | 0.625 | 0.243 | 0.531 | 0.108 | 0.094 | |
| 0.037 | 0.035 | 0.037 | 0.037 | 0.778 | 0.793 | 0.161 | 0.171 | 0.445 | 0.336 | 0.078 | 0.064 | |
| 0.037 | 0.036 | 0.037 | 0.037 | 1.502 | 1.288 | 1.112 | 1.116 | 0.578 | 0.591 | 0.319 | 0.299 | |
| 0.038 | 0.037 | 0.036 | 0.037 | 0.037 | 0.368 | 0.380 | 0.506 | 0.502 | 0.327 | 0.225 | 0.621 | |
| 0.036 | 0.037 | 0.034 | 0.037 | 0.587 | 0.567 | 0.132 | 0.135 | 0.535 | 0.553 | 0.904 | 0.800 | |
| 0.037 | 0.037 | 0.037 | 0.037 | 0.036 | 0.037 | 0.053 | 0.045 | 0.045 | 0.056 | 0.054 | 0.053 | |
| 0.037 | 0.037 | 0.035 | 0.038 | 0.033 | 0.037 | 0.042 | 0.053 | 0.044 | 0.040 | 0.043 | 0.052 | |

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|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | | | | 0.598 | 0.575 | 0.524 | 0.523 | 0.235 | 0.225 | 0.117 | 0.106 | T10/T11 hd |
| | | | | 0.115 | 0.109 | 0.177 | 0.191 | 0.110 | 0.109 | 0.098 | 0.090 | |
| | | | | 0.149 | 0.152 | 0.190 | 0.196 | 0.211 | 0.205 | 0.070 | 0.078 | |
| | | | | 0.648 | 0.647 | 0.729 | 0.693 | 0.275 | 0.219 | 0.151 | 0.153 | |
| | | | | 0.101 | 0.096 | 0.178 | 0.181 | 0.092 | 0.087 | 0.089 | 0.092 | |
| | | | | 0.252 | 0.256 | 0.176 | 0.176 | 0.223 | 0.221 | 0.069 | 0.068 | |
| | | | | | | 0.044 | 0.043 | 0.046 | 0.047 | 0.044 | 0.044 | |
| | | | | | | 0.041 | 0.041 | 0.042 | 0.042 | 0.041 | 0.042 | |

| | | | | | | | | | | | | |
|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | | | | 0.670 | 0.663 | 0.524 | 0.538 | 0.187 | 0.184 | 0.111 | 0.107 | T12/T13 hd |
| | | | | 0.065 | 0.066 | 0.111 | 0.113 | 0.070 | 0.069 | 0.061 | 0.062 | |
| | | | | 0.180 | 0.181 | 0.102 | 0.104 | 0.171 | 0.172 | 0.061 | 0.062 | |
| | | | | 0.678 | 0.577 | 0.479 | 0.502 | 0.148 | 0.165 | 0.137 | 0.129 | |
| | | | | 0.067 | 0.068 | 0.095 | 0.107 | 0.064 | 0.065 | 0.090 | 0.099 | |
| | | | | 0.255 | 0.263 | 0.081 | 0.085 | 0.255 | 0.249 | 0.077 | 0.075 | |
| | | | | | | 0.044 | 0.042 | 0.043 | 0.042 | 0.045 | 0.042 | |
| | | | | | | 0.041 | 0.040 | 0.041 | 0.042 | 0.042 | 0.042 | |

| | | | | | | | | | | | | |
|--|--|--|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | | 0.736 | 0.721 | 0.619 | 0.625 | 0.122 | 0.123 | 0.140 | 0.139 | T14 hd |
| | | | | 0.064 | 0.066 | 0.066 | 0.067 | 0.096 | 0.100 | 0.099 | 0.098 | |
| | | | | 0.062 | 0.063 | 0.074 | 0.076 | 0.240 | 0.247 | 0.093 | 0.090 | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | 0.044 | 0.043 | 0.044 | 0.048 | 0.046 | 0.043 | |
| | | | | | | 0.042 | 0.044 | 0.041 | 0.042 | 0.045 | 0.044 | |

| | | | | | |
|--------------------|--------------|------------------------------|-------------------------|----------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (instrument method) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full_v2 | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| cold substance | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| | name | LDH | ACB-ID of cocktail | | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PEG | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| n.a. | n.a. | n.a. | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * Blank subtraction | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|-------|-------|---------|---|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | | [µg/mL] | [%] | |
| KLP1 | | | | | | | 0.047 | | | | |
| KLP2 | | | | | | | 0.054 | | | | |
| KLP3 | | | | | | | 0.051 | | | | |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.938 | 0.04 | 4.19 | 0.051 | 0.887 | 0.041 | -0.57 |
| KLP5 | 0.018 | 0.483 | 0.484 | 0.474 | 0.480 | 0.00 | 0.98 | 0.052 | 0.429 | 0.019 | 2.42 |
| KLP6 | 0.012 | 0.360 | 0.359 | 0.326 | 0.348 | 0.02 | 4.54 | 0.051 | 0.297 | 0.013 | 5.00 |
| KLP7 | 0.007 | 0.228 | 0.228 | 0.199 | 0.218 | 0.014 | 6.35 | | 0.168 | 0.006 | -11.29 |
| KLP8 | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|--------------|
| Geradensteigung | Slope | m | 21.03 |
| Y-Achsenabschnitt | Y-Intercept | b | 0.03 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.648055501 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.015177452 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.000664046 |
| Bereichsmittle | | | 0.019557193 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 23.81763508 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 18.24046944 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.099335829 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | -0.031281327 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9991 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9981 |
| Reststandardabweichung | | S ₀ | 0.01669983 |
| Summe Restquadrate | | sd | 0.657385838 |
| Verfahrensstandardabw. | | S ₀₀ | 0.000794131 |
| Rel. Verfahrensstandardabw. % | | V ₀₀ | 4.060559029 |

Berichten

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0.01 |
| x ² SD (LOD) | 0.01 |
| LLOQ (AU) | 0.061 |
| LOD (AU) | 0.067 |
| ULOQ | 0.887 |
| LLOQ (Lin) | 0.168 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date Operator Date Operator Control

Figure 1 Linearity

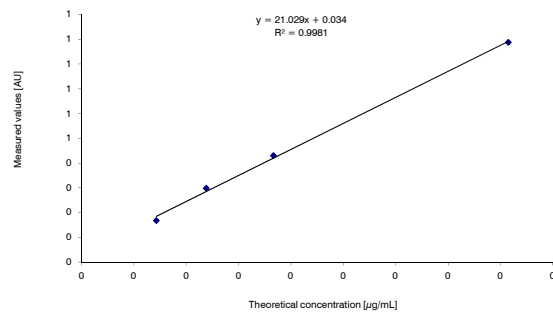
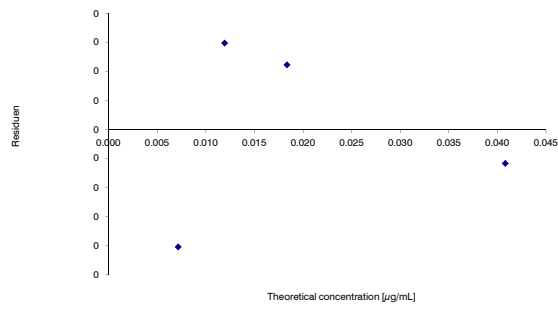


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|-------|----------|-------|------------|----------------|---------|-----------------|---------|
| 0 | | 0 A01 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 A02 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 A03 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 A04 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 A05 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 A06 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 A07 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 A08 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 A09 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 A10 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 A11 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 A12 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 B01 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| pos.sui.d1 | | 0 B02 | 0.897 | 0.846 | 0.846 | 0.039 | 13.75 | 0.531 |
| pos.sui.d1 | | 0 B03 | 0.909 | 0.858 | 0.858 | 0.039 | 13.75 | 0.539 |
| pos.sui.d1 | | 0 B04 | 0.928 | 0.877 | 0.877 | 0.040 | 13.75 | 0.551 |
| neg.sui.d1 | | 0 B05 | 0.088 | 0.037 | kleiner LLOQ | #VALUE! | 13.75 | #VALUE! |
| neg.sui.d1 | | 0 B06 | 0.089 | 0.038 | kleiner LLOQ | #VALUE! | 13.75 | #VALUE! |
| neg.sui.d1 | | 0 B07 | 0.087 | 0.036 | kleiner LLOQ | #VALUE! | 13.75 | #VALUE! |
| 0 | | 0 B08 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 B09 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 B10 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 B11 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 B12 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 C01 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 C02 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 C03 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 C04 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 C05 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 C06 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 C07 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 C08 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 C09 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 C10 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 C11 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 C12 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 D01 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 D02 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 D03 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 D04 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 D05 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 D06 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 D07 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 D08 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 D09 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 D10 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 D11 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | | 0 D12 | 0 | | 0 kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate:

| Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test | Test |
|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | |
| A | | | | | | | | | | | | | | | |
| B | | 0.897 | 0.909 | 0.928 | 0.088 | 0.089 | 0.087 | | | | | | | | |
| C | | | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | | | |
| E | | | | | 0.077 | 0.076 | 0.073 | | | | | | | | |
| F | | | | | 0.117 | 0.116 | 0.115 | | | | | | | | |
| G | | | | | | 0.045 | 0.047 | 0.049 | 0.050 | 0.048 | 0.050 | 0.048 | 0.047 | 0.049 | 0.049 |
| H | | | | | | | 0.048 | 0.046 | 0.050 | 0.048 | 0.047 | 0.049 | 0.048 | 0.047 | 0.049 |

| Plattenbelegung | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------------|---|------------|------------|------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | | | | | | | | |
| B | | pos.sui.d1 | pos.sui.d1 | pos.sui.d1 | neg.sui.d1 | neg.sui.d1 | neg.sui.d1 | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | pos.hum.d2 | pos.hum.d2 | pos.hum.d2 | neg.hum.d2 | neg.hum.d2 | neg.hum.d2 | | | | | |
| F | | pos.hd.d2 | pos.hd.d2 | pos.hd.d2 | neg.hd.d2 | neg.hd.d2 | | | | | | |
| G | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Samples aufgeteilt in lin high und low; höher konzentrierte Samples bei lin high zu finden.

d1=dil. 5*dil2, 75=dil. 13,75
d2=dil. 30*dil 2, 75=dil. 82,5

Comment:

Date _____ Operator _____

Date _____ Control _____

| | | | | | | | | |
|--------------|---|-----|-------|---------|--------------|---------|------|---------|
| 0 | 0 | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| pos.hum.d2 | 0 | E02 | 0 | 0 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| pos.hum.d2 | 0 | E03 | 0 | 0 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| pos.hum.d2 | 0 | E04 | 0 | 0 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| neg.hum.d2 | 0 | E05 | 0.077 | 0.026 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| neg.hum.d2 | 0 | E06 | 0.076 | 0.025 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| neg.hum.d2 | 0 | E07 | 0.073 | 0.022 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| 0 | 0 | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | E12 | | #VALUE! | #VALUE! | #VALUE! | 1 | #VALUE! |
| 0 | 0 | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| pos.hd.d2 | 0 | F02 | 0 | 0 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| pos.hd.d2 | 0 | F03 | 0 | 0 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| pos.hd.d2 | 0 | F04 | 0 | 0 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| neg.hd.d2 | 0 | F05 | 0.117 | 0.067 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| neg.hd.d2 | 0 | F06 | 0.116 | 0.065 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| neg.hd.d2 | 0 | F07 | 0.115 | 0.064 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| 0 | 0 | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | F12 | | #VALUE! | #VALUE! | #VALUE! | 1 | #VALUE! |
| 0 | 0 | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | 0 | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | 0 | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | 0 | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | 0 | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | 0 | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | 0 | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | 0 | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | 0 | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | 0 | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | 0 | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | 0 | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | 0 | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | 0 | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | 0 | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | | |
|---|-----|-------|--------------|--------------|---------|---------|---------|
| 0 | A01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | D01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | D02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | D03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | D04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | D05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | D06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | D07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | D08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | D09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | D10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | D11 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | D12 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

Plate:

| |
|--|
| |
|--|

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Comment:

Date Operator _____ Date Control _____

| | | | | | | | |
|---|-----|-------|--------------|--------------|---------|---------|---------|
| 0 | E01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | E02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | E03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | E04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | E05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | E06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | E07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | E08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | E09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | E10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | E11 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | E12 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | F01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | F02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | F03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | F04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | F05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | F06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | F07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | F08 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | F09 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | F10 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | F11 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | F12 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | G01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | G02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | G03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | G04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | G05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | G06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | G07 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | |
| 0 | G08 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | |
| 0 | G09 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | |
| 0 | G10 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | |
| 0 | G11 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | |
| 0 | G12 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | |
| 0 | H01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | H02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | H03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | H04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | H05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | H06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | H07 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | |
| 0 | H08 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | |
| 0 | H09 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | |
| 0 | H10 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | |
| 0 | H11 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | |
| 0 | H12 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! | |
| 0 | A01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | A12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | B12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |
| 0 | C01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! | |

Plate:

| |
|--|
| |
|--|

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |

| | | | | | |
|--------------------|--------------|----------------------------|-------------------------|-------------------------|------------------------------|
| Project number | F-120 | Apparatus | Wallac Victor | Operator | IsBa |
| GLP Study (Number) | n.a. | Protocol (Instrument meth) | LDH test 2016 | Date of preparation | 19-04-18 |
| hot substance | isotope | n.a. | File name (results) | IsBa_180419/20_LDH_full | Date of measurement |
| | name | n.a. | Kind of well plate | 96 well | shaking time [min] |
| cold substance | ACB-ID | n.a. | sample volume [µL] | 100 | stirring rate (Target) [rpm] |
| | Batch number | n.a. | Cocktail volume [µL] | 175 | Kind of measurement |
| n.a. | name | LDH | ACB-ID of cocktail | | Wave length [nm] |
| | ACB-ID | L23982R | Matrix | DMEM (from powder)+PE | Remarks |
| n.a. | Batch number | SLBK6345V | Blank description | DMEM/PEG, H2O | Remarks |
| | | | Pipettes (No. / volume) | 50-200µl | Remarks |
| n.a. | n.a. | Pipettes (No. / volume) | n.a. | Remarks | n.a. |

Messdaten (diese Tabelle in Bericht übernehmen)

| Sample name * | concentration (theor.) * | measured data | measured data | measured data | mean measured | SD | RSD | Blank * | measured data after * | concentration (calc.) * | Deviation * | Residuen |
|---------------|--------------------------|---------------|---------------|---------------|---------------|------|------|---------|-----------------------|-------------------------|-------------|----------|
| | [µg/mL] | [AU] | [AU] | [AU] | [AU] | [AU] | [%] | [AU] | Blank subtraction | [µg/mL] | [%] | |
| KLP1 | 0.148 | 1.579 | 1.652 | 1.627 | 1.62 | 0.03 | 1.87 | 0.047 | 1.568 | 0.148 | -0.24 | 0.00 |
| KLP2 | 0.114 | 1.357 | 1.443 | 1.372 | 1.39 | 0.04 | 2.70 | 0.054 | 1.340 | 0.110 | -3.40 | 0.00 |
| KLP3 | 0.074 | 1.272 | 1.193 | 1.228 | 1.23 | 0.03 | 2.63 | 0.051 | 1.180 | 0.084 | 13.04 | 0.01 |
| KLP4 | 0.041 | 0.959 | 0.972 | 0.883 | 0.94 | 0.04 | 4.19 | 0.051 | 0.887 | 0.035 | -13.32 | -0.01 |
| KLP5 | | | | | | | | 0.052 | | | | |
| KLP6 | | | | | | | | 0.051 | | | | |
| KLP7 | | | | | | | | | | | | |
| KLP8 | | | | | | | | | | | | |

Statistical data

| | | | |
|--|--|---------------------|-------------|
| Geradensteigung | Slope | m | 6.05 |
| Y-Achsenabschnitt | Y-intercept | b | 0.67 |
| Standardabw. Geradensteigung | SD-Slope | S _m | 0.620291227 |
| Standardabw. Achsenabschnittes | SD-Y-Intercept | S _b | 0.063894294 |
| Anzahl Messpunkte | number of measuring points | n | 4 |
| Quadratsumme | sum of squares | Q _{xx} | 0.006578604 |
| Bereichsmittle | | f | 0.094336926 |
| Freiheitsgrade | degree of freedom | f | 2 |
| Student-t-Faktor für (P = 95 %; f = n-2) | Student-t-factor for (P = 95 %; f = n-2) | t | 4.303 |
| Vertrauensbereich Steig. (95 %) Obergrenze | | m + VB _m | 8.722319627 |
| Vertrauensbereich Steig. (95 %) Untergrenze | | m - VB _m | 3.384093228 |
| Vertrauensbereich Achsenabschnitt (95 %) Og. | | b + VB _b | 0.946914615 |
| Vertrauensbereich Achsenabschnitt (95 %) Ug. | | b - VB _b | 0.398761518 |
| Korrelationskoeffizient | correlation coefficient | r | 0.9897 |
| Bestimmtheitsmaß | determination coefficient | r ² | 0.9794 |
| Reststandardabweichung | | S ₀ | 0.050310948 |
| Summe Restquadrat | | sd | 2.895683345 |
| Verfahrensstandardabw. | | S _{0p} | 0.008311454 |
| Rel. Verfahrensstandardabw. % | | V _{0p} | 8.810393374 |

| | |
|--------------------------|-------|
| mean Blank | 0 |
| SD Blank | 0.00 |
| RSD Blank | 3.79 |
| x ² SD (LLOQ) | 0 |
| x ² SD (LOD) | 0 |
| LLOQ (AU) | 0 |
| LOD (AU) | 0 |
| LLOQ | 1.568 |
| LLOQ (Lin) | 0.887 |

Evaluation / Comment

LDH linearity valid with 7 standards, split in lin high and lin low, each with 4 standards and KLP4 common standard for both. R² 0,9981, deviations for both between -13.34% and +13.04%

Date

Operator

Date

Control

Figure 1 Linearity

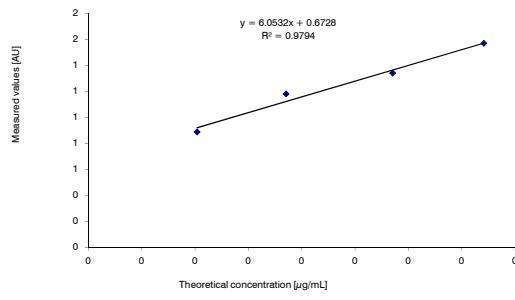
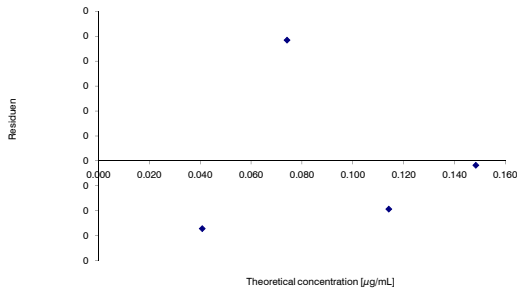


Figure 2 Method validation Residuen Plot



Evaluation / Comment

lin passed

Date

Operator

Date

Control

| Sample name | Plate | Position | [AU] | [AU]-Blank | Rating | [µg/mL] | Dilution factor | [µg/mL] |
|-------------|------------|----------|-------|------------|--------------|---------|-----------------|---------|
| 0 | Kontrollen | A01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | A02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | A03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | A04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | A05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | A06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | A07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | A08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | A09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | A10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | A11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | A12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | B01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| pos.sui.d1 | Kontrollen | B02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| pos.sui.d1 | Kontrollen | B03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| pos.sui.d1 | Kontrollen | B04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| neg.sui.d1 | Kontrollen | B05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 13.75 | #VALUE! |
| neg.sui.d1 | Kontrollen | B06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 13.75 | #VALUE! |
| neg.sui.d1 | Kontrollen | B07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 13.75 | #VALUE! |
| 0 | Kontrollen | B08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | B09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | B10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | B11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | B12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | C01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | C02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | C03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | C04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | C05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | C06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | C07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | C08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | C09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | C10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | C11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | C12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | D01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | D02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | D03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | D04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | D05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | D06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | D07 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | D08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | D09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | D10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | D11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | D12 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate: **Kontrollen**

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|-------|-------|-------|---|-------|-------|-------|-------|-------|-------|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | 1.040 | 1.053 | 1.067 | | | | | | | |
| F | | | 1.334 | 1.265 | 1.290 | | | | | | | |
| G | | | | | | | 0.045 | 0.047 | 0.049 | 0.050 | 0.048 | 0.050 |
| H | | | | | | | 0.048 | 0.046 | 0.050 | 0.048 | 0.047 | 0.049 |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|------------|------------|------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|
| A | | | | | | | | | | | | |
| B | | pos.sui.d1 | pos.sui.d1 | pos.sui.d1 | neg.sui.d1 | neg.sui.d1 | neg.sui.d1 | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | pos.hum.d2 | pos.hum.d2 | pos.hum.d2 | neg.hum.d2 | neg.hum.d2 | neg.hum.d2 | | | | | |
| F | | pos.hd.d2 | pos.hd.d2 | pos.hd.d2 | neg.hd.d2 | neg.hd.d2 | neg.hd.d2 | | | | | |
| G | | | | | | | | Blank PEG | Blank PEG | Blank PEG | Blank PEG | Blank PEG |
| H | | | | | | | | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG | Blank no PEG |

Comment:

Samples aufgeteilt in lin high und low;niedriger konzentrierte Samples bei lin low zu finden.

Date Operator Date Control

| | | | | | | | | |
|--------------|------------|-----|-------|---------|--------------|---------|------|---------|
| 0 | Kontrollen | E01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| pos.hum.d2 | Kontrollen | E02 | 1.040 | 0.989 | 0.989 | 0.052 | 82.5 | 4.306 |
| pos.hum.d2 | Kontrollen | E03 | 1.053 | 1.002 | 1.002 | 0.054 | 82.5 | 4.489 |
| pos.hum.d2 | Kontrollen | E04 | 1.067 | 1.016 | 1.016 | 0.057 | 82.5 | 4.682 |
| neg.hum.d2 | Kontrollen | E05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| neg.hum.d2 | Kontrollen | E06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| neg.hum.d2 | Kontrollen | E07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| 0 | Kontrollen | E08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | E09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | E10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | E11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | E12 | 0 | #VALUE! | #VALUE! | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | F01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| pos.hd.d2 | Kontrollen | F02 | 1.334 | 1.283 | 1.283 | 0.101 | 82.5 | 8.317 |
| pos.hd.d2 | Kontrollen | F03 | 1.265 | 1.214 | 1.214 | 0.089 | 82.5 | 7.376 |
| pos.hd.d2 | Kontrollen | F04 | 1.290 | 1.239 | 1.239 | 0.094 | 82.5 | 7.722 |
| neg.hd.d2 | Kontrollen | F05 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| neg.hd.d2 | Kontrollen | F06 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| neg.hd.d2 | Kontrollen | F07 | 0.000 | -0.051 | kleiner LLOQ | #VALUE! | 82.5 | #VALUE! |
| 0 | Kontrollen | F08 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | F09 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | F10 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | F11 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | F12 | 0 | #VALUE! | #VALUE! | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | G01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | G02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | G03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | G04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | G05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | G06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank PEG | Kontrollen | G07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | Kontrollen | G08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | Kontrollen | G09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | Kontrollen | G10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | Kontrollen | G11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank PEG | Kontrollen | G12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| 0 | Kontrollen | H01 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | H02 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | H03 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | H04 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | H05 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | Kontrollen | H06 | 0 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| Blank no PEG | Kontrollen | H07 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | Kontrollen | H08 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | Kontrollen | H09 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | Kontrollen | H10 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | Kontrollen | H11 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |
| Blank no PEG | Kontrollen | H12 | 0 | 0 | kleiner LLOQ | #VALUE! | 2.75 | #VALUE! |

| | | | | | | |
|---|-----|---|--------------|---------|---|---------|
| 0 | A01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | A02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | A03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | A04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | A05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | A06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | A07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | A08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | A09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | A10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | A11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | A12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | B01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | B02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | B03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | B04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | B05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | B06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | B07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | B08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | B09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | B10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | B11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | B12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | C01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | C02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | C03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | C04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | C05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | C06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | C07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | C08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | C09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | C10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | C11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | C12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | D01 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | D02 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | D03 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | D04 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | D05 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | D06 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | D07 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | D08 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | D09 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | D10 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | D11 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |
| 0 | D12 | 0 | kleiner LLOQ | #VALUE! | 1 | #VALUE! |

Plate:

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Plattenbelegung

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |

Comment:

Date Operator

Date Control

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.447 | 1.739 | | 1.170 | | | | | | 0.667 | 0.440 | 0.043 |
| 1.447 | 1.332 | | 1.392 | 0.137 | 0.146 | 0.130 | 0.138 | 0.109 | 0.729 | 0.478 | 0.042 |
| 1.391 | 1.281 | | 1.311 | 0.204 | 0.184 | 0.184 | 0.198 | 0.201 | 0.743 | 0.474 | 0.043 |
| 0.961 | 0.835 | | 1.405 | 0.336 | 0.347 | 0.375 | 0.387 | 0.300 | 0.824 | 0.483 | 0.044 |
| 0.445 | 0.441 | | 1.280 | 1.085 | 1.086 | 1.218 | 1.004 | 0.873 | 0.704 | 0.457 | 0.041 |
| 0.355 | 0.315 | | 1.332 | 1.768 | 1.925 | 1.753 | 1.739 | 1.606 | | | 0.036 |
| 0.223 | 0.188 | 1.666 | 1.499 | 1.632 | | 0.048 | 0.046 | 0.047 | 0.048 | 0.048 | 0.048 |
| 0.118 | 0.106 | 1.556 | 1.622 | 1.573 | | 0.047 | 0.054 | 0.051 | 0.051 | 0.052 | 0.051 |

1

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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.652 | 1.627 | | 1.188 | 0.748 | 0.811 | 0.764 | 0.753 | 0.674 | 0.751 | 0.529 | 0.044 |
| 1.443 | 1.372 | | 1.364 | 0.139 | 0.147 | 0.131 | 0.139 | 0.110 | 0.811 | 0.561 | 0.043 |
| 1.377 | 1.281 | | 1.284 | 0.206 | 0.189 | 0.184 | 0.200 | 0.202 | 0.821 | 0.560 | 0.044 |
| 0.972 | 0.883 | | 1.387 | 0.339 | 0.349 | 0.386 | 0.406 | 0.312 | 0.903 | 0.565 | 0.044 |
| 0.484 | 0.474 | | 1.298 | 1.087 | 1.113 | 1.203 | 1.022 | 0.903 | 0.790 | 0.544 | 0.042 |
| 0.359 | 0.326 | | 1.308 | 1.622 | 1.622 | 1.630 | 1.625 | 1.550 | | | 0.037 |
| 0.228 | 0.199 | 1.527 | 1.373 | 1.462 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.109 | 1.473 | 1.410 | 1.371 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

2

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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.579 | 1.475 | | 1.150 | 1.210 | 1.303 | 1.202 | 1.219 | 1.125 | 0.759 | 0.549 | 0.043 |
| 1.357 | 1.303 | | 1.283 | 0.140 | 0.148 | 0.131 | 0.139 | 0.111 | 0.820 | 0.575 | 0.043 |
| 1.323 | 1.228 | | 1.227 | 0.206 | 0.188 | 0.184 | 0.198 | 0.201 | 0.824 | 0.579 | 0.043 |
| 0.959 | 0.872 | | 1.321 | 0.339 | 0.348 | 0.387 | 0.406 | 0.314 | 0.909 | 0.580 | 0.044 |
| 0.483 | 0.473 | | 1.270 | 1.069 | 1.103 | 1.181 | 1.017 | 0.903 | 0.798 | 0.560 | 0.042 |
| 0.360 | 0.326 | | 1.270 | 1.497 | 1.448 | 1.496 | 1.494 | 1.449 | | | 0.037 |
| 0.228 | 0.199 | 1.374 | 1.262 | 1.314 | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.346 | 1.262 | 1.253 | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

3

| | | | | | | | | | | | |
|-------|-------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.511 | 1.369 | | | 1.538 | 1.712 | 1.528 | 1.502 | 1.425 | | | 0.043 |
| 1.296 | 1.261 | | | | | | | | | | 0.043 |
| 1.272 | 1.193 | | | | | | | | | | 0.043 |
| 0.947 | 0.859 | | | | | | | | | | 0.044 |
| 0.481 | 0.471 | | | | | | | | | | 0.042 |
| 0.361 | 0.325 | | | | | | | | | | 0.037 |
| 0.229 | 0.199 | | | | | 0.048 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.047 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

4

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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.493 | 1.317 | 1.678 | 1.110 | 1.621 | 1.807 | 1.618 | 1.584 | 1.508 | 0.765 | 0.597 | 0.043 |
| 1.259 | 1.238 | 1.850 | 1.197 | 0.139 | 0.150 | 0.132 | 0.139 | 0.111 | 0.821 | 0.588 | 0.043 |
| 1.248 | 1.175 | 1.816 | 1.153 | 0.204 | 0.188 | 0.184 | 0.197 | 0.199 | 0.831 | 0.599 | 0.044 |
| 0.943 | 0.859 | 1.970 | 1.231 | 0.338 | 0.357 | 0.386 | 0.406 | 0.316 | 0.916 | 0.595 | 0.044 |
| 0.480 | 0.470 | 2.220 | 1.220 | 1.054 | 1.088 | 1.154 | 1.006 | 0.902 | 0.805 | 0.579 | 0.042 |
| 0.359 | 0.325 | 2.149 | 1.211 | 1.395 | 1.324 | 1.348 | 1.345 | 1.317 | 0.037 | 0.037 | 0.037 |
| 0.228 | 0.199 | 1.240 | 1.151 | 1.183 | 0.034 | 0.049 | 0.046 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | 1.223 | 1.132 | 1.146 | 0.038 | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

5

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|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.434 | 1.258 | | 1.090 | 1.648 | 1.876 | 1.649 | 1.627 | 1.535 | | | |
| 1.217 | 1.201 | | 1.149 | | | | | | | | |
| 1.205 | 1.143 | | 1.109 | | | | | | | | |
| 0.935 | 0.845 | | 1.182 | | | | | | | | |
| 0.477 | 0.469 | | 1.181 | | | | | | | | |
| 0.360 | 0.323 | | 1.167 | | | | | | | | |
| 0.229 | 0.200 | | | | | 0.049 | 0.047 | 0.048 | 0.049 | 0.049 | 0.049 |
| 0.125 | 0.110 | | | | | 0.048 | 0.054 | 0.052 | 0.052 | 0.052 | 0.051 |

6

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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.013 | 0.810 | | 0.668 | 0.808 | 0.940 | 0.720 | 0.798 | 0.687 | 0.904 | 0.845 | 0.043 |
| 0.709 | 0.827 | | 0.703 | 0.142 | 0.156 | 0.136 | 0.137 | 0.116 | 0.990 | 0.846 | 0.042 |
| 0.682 | 0.692 | | 0.680 | 0.197 | 0.188 | 0.190 | 0.191 | 0.184 | 1.023 | 0.861 | 0.043 |
| 0.507 | 0.519 | | 0.740 | 0.316 | 0.264 | 0.364 | 0.377 | 0.312 | 1.111 | 0.870 | 0.043 |
| 0.394 | 0.406 | | 0.682 | 0.580 | 0.561 | 0.600 | 0.529 | 0.563 | 0.962 | 0.834 | 0.042 |
| 0.333 | 0.322 | | 0.661 | 0.995 | 0.930 | 0.848 | 0.832 | 0.797 | 0.037 | 0.037 | 0.037 |
| 0.229 | 0.201 | 0.843 | 0.679 | 0.732 | | 0.048 | 0.046 | 0.047 | | | 0.047 |
| 0.124 | 0.111 | 0.773 | 0.682 | 0.701 | | 0.047 | 0.053 | 0.051 | 0.051 | 0.052 | 0.051 |

7

Kontrollen

| | | | | | | | | | | | | |
|-------|--|--|--|--|--|--|-------|-------|-------|-------|-------|-------|
| 3.126 | | | | | | | | | | | | |
| 1.664 | | | | | | | | | | | | |
| 3.141 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | 0.046 | 0.047 | 0.048 | 0.049 | 0.048 | 0.048 |
| | | | | | | | 0.047 | 0.046 | 0.048 | 0.048 | 0.046 | 0.052 |

1

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|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 2.229 | 2.249 | 2.221 | 0.105 | 0.106 | 0.109 | | | | | | |
| | 0.897 | 0.909 | 0.928 | 0.088 | 0.089 | 0.087 | | | | | | |
| | 1.755 | 1.748 | 1.733 | 0.186 | 0.184 | 0.182 | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | 0.046 | 0.046 | 0.049 | 0.050 | 0.048 | 0.050 |
| | | | | | | | 0.048 | 0.047 | 0.048 | 0.047 | 0.046 | 0.050 |

2

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|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | 1.040 | 1.053 | 1.067 | 0.077 | 0.076 | 0.073 | | | | | | |
| | 1.334 | 1.265 | 1.290 | 0.117 | 0.116 | 0.115 | | | | | | |
| | | | | | | | 0.045 | 0.047 | 0.049 | 0.050 | 0.048 | 0.050 |
| | | | | | | | 0.048 | 0.046 | 0.050 | 0.048 | 0.047 | 0.049 |

3