105.2 - Serum, Plasma, Blood and Urine Clinical Laboratory Materials (frozen, liquid, and lyophilized forms)

These SRMs are intended serve a variety of clinical measurement needs.

PLEASE NOTE: The Freeze-Dried SRMs are listed at the reconstituted volume.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit Size	α-Carotene-Total	α-Tocopherol	β-cryptoxanthin total	γ+β-Tocopherol	5-MethylTetra-hydrofolic Acid	Albumin	Albumin Creatinine Ratio (ACR)	Amino Acids	Bilirubin	Cholesterol	Cis-β-Carotene	Coenzyme Q_{10}	Cortisol	Creatinine	Dioxins/Furans	Drugs of Abuse	Electrolytes	Elements (Selected)	Fatty Acids	Folate Vitamers	Folic Acid	Glucose	Glycerides Total	HDL-Cholesterol	Homocysteine	LDL-Cholesterol	Lutein Total	Lycopene Total	Metabolites	Miscellaneous	Prox. Protein	Pyridoxal 5'-phosphate	Retinol Total	Selenium Species	Testosterone	Total β-Cryptoxanthin	trans-β-Carotene	trans-Lycopene	Urea	Uric Acid	Vitamin D Metabolites	Zeaxanthin-total
909c	Frozen Human Serum	3 vials x 2 mL										X				X			X	X					X								X											
927f	Bovine Serum Albumin (7 % Solution) (Total Protein Standard)	10 ampoules x 2.2 mL						X																									*X*								X			
955d	Toxic Metals and Metabolites in Frozen Human Blood	6 vials x 1.6 mL																		3 levels: lead, arsenic, cadmium, chromium, cobalt, manganese, mercury, selenium, uranium *2 levels: ethylmercury, inorganic mercury, methylmercury*																							
956d	Electrolytes in Frozen Human Serum	6 ampoules x 2 mL																	X																									
965b	Glucose in Frozen Human Serum	8 ampoules x 2 mL																						4 levels																				
967b	Creatinine in Frozen Human Serum	4 vials x 1 mL														2 levels																												
968f	Fat Soluble Vitamins in Frozen Human Serum	2 vials x 1 mL	*2 levels*	2 levels	*2 levels*	2 levels								*2 levels*															*2 levels*	*2 levels*				2 levels				*2 levels*	*2 levels*			*2 levels*	*2 levels*
971a	Hormones in Frozen Human Serum	4 x 2 mL																																			2 levels							
972a	Vitamin D Metabolites in Frozen Human Serum	4 vials x 1 mL																																								4 levels		
1401	Trace Metals in Frozen Human Blood	4 vials x 1.6 mL																		2 levels																								
1507b	11-Nor-Delta-9-Tetrahydrocannabinol-9-Carboxylic Acid in Freeze-Dried Urine	set (3)																2 levels: (THC-9-COH) (Benzoylecgonine)																										
1949	Frozen Human Prenatal Serum	8 vials (2 each level)																		*4 Levels*												4 levels: total 3,3'5-triiodothyronine (T3) and total thyroxine (T4)												4 levels	
1950	Metabolites in Frozen Human Plasma	5 vials x 1 mL	X	X		X	X			X	X	X	*X*		X	X				X	X		*X*	X	X		X		X	X		Perfluorinated compounds	*X*	X	X	*X*	X	X	X	*X*	X	X		X
1951r	Lipids in Frozen Human Serum	4 vials x 1 mL										2 levels													2 levels	*2 levels*		*2 levels*																
1955a	Homocysteine in Frozen Human Serum	set (3 vials) (1 each conc)																									3 levels																	
1957	Organic Contaminants in Non-Fortified Human Serum (Freeze-Dried)	5 vials															X															Perfluorinated Compounds, (PFCs), Pesticides, Polybrominated Diphenyl, Ethers (PBDEs), Polychlorinated Biphenyl (PCB) Congeners													
1958	Organic Contaminants in Fortified Human Serum (Freeze-Dried)	5 vials															*X*															Perfourinated Compounds (PFCs), Chlorinated Pesticides, Polybrominated diphenyl ether (PBDEs) Congeners Polychlorinated biphenyl (PCB) Congeners													
2378	Fatty Acids in Frozen Human Serum	3 vials x 1 mL																			X																							
2668	Toxic Elements in Frozen Human Urine	10 vials x 1.5 mL																		2 levels: 14 elements *2 levels: 9 elements*																							
2669	Arsenic Species in Frozen Human Urine	10 vials x 1.5 mL																		2 levels: Arsenic Species *2 levels: Total Arsenic*																							
2925	Recombinant Human Serum Albumin Solution (Primary Reference Calibrator for Urine Albumin) (Frozen)	2 vials x 0.5 mL						X																																				
2969	Vitamin D Metabolites in Frozen Human Serum (Total 25-Hydroxyvitamin D Low Level)	2 x 1 mL																																								X		
2970	Vitamin D Metabolites in Frozen Human Serum (25-Hydroxyvitamin D2 High Level)	2 x 1 mL																																								X		
2973	Vitamin D Metabolites in Frozen Human Serum (High Level)	2 vials x 1 mL																																										
3666	Albumin and Creatinine in Frozen Human Urine	4 vials x 1 mL						4 levels	4 levels							4 levels																												
3667	Creatinine in Frozen Human Urine	1 bottle x 10 mL														61.8 mg/dL																												
3668	Mercury, Perchlorate, and Iodide in Frozen Human Urine	10 vials x 1.5 mL																		*2 levels: Iodine*												*2 levels: Thiocyanate*												
3669	Arsenic Species in Frozen Human Urine (Elevated Levels)	5 vials x 1.5 mL																		Arsenic Species																								
3671	Nicotine Metabolites in Human Urine (Frozen)	3 vials x 10 mL																2 levels: Nicotine, Cotinine 1 level: 3-hydroxycotinine *Other Nicotine Metabolites*																										
3672	Organic Contaminants in Smokers' Urine (Frozen)	5 vials x 10 mL																													Hydroxylated PAHs, Phthalate Metabolites, Phenol Metabolites, VOC Metabolites														
3673	Organic Contaminants in Non-Smokers' Urine (Frozen)	5 vials x 10 mL																													Hydroxylated PAHs, Phthalate Metabolites, Phenol Metabolites, VOC Metabolites														
3949	Folate Vitamers in Frozen Human Serum	3 vials x 1 mL																				3 levels																						
3950	Vitamin B in Frozen Human Serum	2 vials x 1 mL																																2 levels										
3951	Fatty Acid Species in Frozen Human Serum	3 vials x 1 mL																			X																							

- Certified values are normal font.
- Non-certified and reference values are italicized.
- Information values and values of potential interest are within parentheses.