BioChain®

Sample Preparation for Diagnostics and Life Science Research

RNA Extraction Kits

Six Proven Ways to Simplify RNA Extraction

Fast Purification of High-Quality RNA

Many downstream applications such as RT-qPCR, transcriptome analysis, RT digital PCR, array analysis and cDNA library construction rely on the high quality and yield of RNA samples for reliable results. BioChain offers a comprehensive selection of RNA extraction kits that allow our customers to do extractions in a simple and reliable way.

Broad Range Total RNA Isolation Kit

Key Features & Benefits:

- Purify total RNA from fresh/frozen tissues and cells
- Quick (less than 30 mins) and easy protocol that utilizes rapid spin-column format
- Isolate both large RNAs and small RNAs
- Isolated RNAs can be used for a variety of downstream applications
- Replicable results and minimal contamination

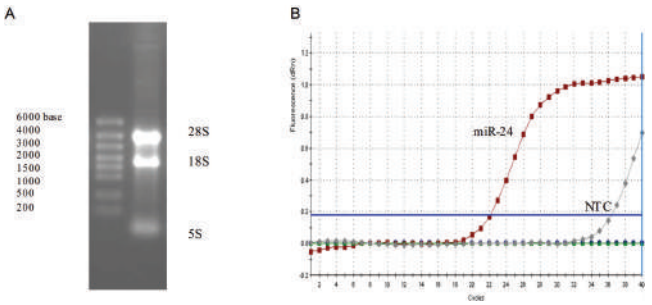

Fig. 1. RNA isolated from human placenta tissue with Broad Range Total Isolation Kit. A. RNA was analyzed on 1% denaturing agarose gel. Lane 1: RNA ladder. Lane 2: human placenta total RNA. B. Real-time qRT-PCR analysis of extracted RNA using hsa-miR-24 as target. NTC: no template control.

Key Features

- High RNA yield
- High RNA purity
- Optimal DNA for downstream applications (e.g., qPCR and NGS)
- Safe method: avoids xylene and other toxic solvents
- 6 Extraction Kits tailored to your needs:
  - Broad Range Total RNA
  - FFPE Tissue RNA
  - Total RNA
  - microRNA
  - Cartilage RNA
  - Whole Blood RNA

Total RNA Extraction Kit

Key Features & Benefits:

- Purification of total RNA from fresh/frozen tissues and cells
- Large capacity extraction

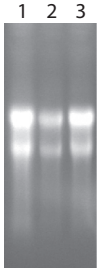

Fig. 2. Image of RNAs isolated by BioChain's Total RNA Extraction Kit on agarose gel. Lane 1: 1 µg of Guinea Pig Kidney Total RNA. Lane 2: 1 µg Beagle Dog Trachea Total RNA. Lane 3: 1 µg Guinea Pig Liver Total RNA.

BioChain Institute, Inc. • 39600 Eureka Dr. • Newark, CA 94560, USA
To order: order@biochain.com • www.biochain.com

MicroRNA Isolation Kit

Key Features & Benefits:

- Rapid method for isolation and purification of small RNA molecules (<200 nt)
- Can also be used for isolating large RNA (>200nt)
- Isolate MicroRNA from tissue cultures, cell cultures, blood, and serum

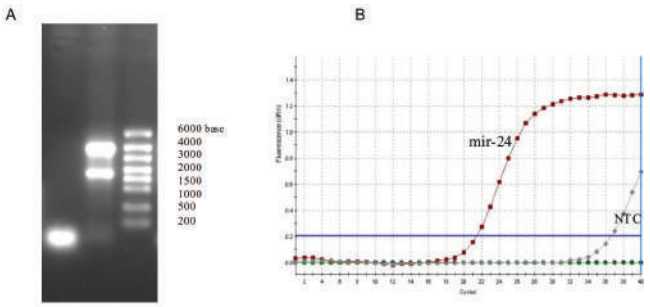

Fig. 3. RNA isolated from human placenta tissue with microRNA Isolation Kit. RNAs were analyzed on 1% denaturing gel. Lane 1: purified small RNAs. Lane 2: purified large RNAs. Lane 3. RNA ladder. B. Real-time qRT-PCR analysis of extracted RNA using hsa-miR-24 as target. NTC: no template control.

FFPE Tissue RNA Extraction Kit

Key Features & Benefits:

- Removal of paraffin, partial reversal of formalin crosslinking, and release of RNA from fixed tissues
- No toxic chemicals
- Short and robust protocol
- No inhibition on downstream applications

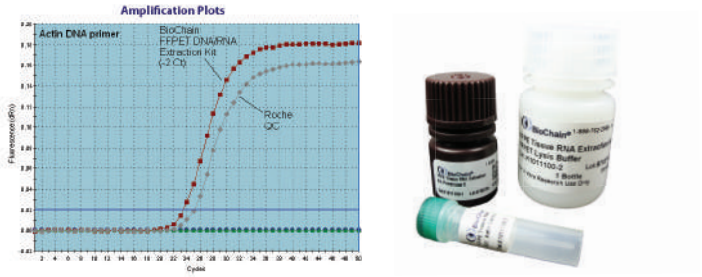

Fig. 4. RNA extracted from human liver FFPE sections were analyzed with qPCR using β-actin as target. RNA was extracted using FFPE Tissue RNA Extraction Kit from BioChain and Company R.

Cartilage RNA Isolation Kit

Key Features & Benefits:

- High quality RNA can be extracted from cartilage and used in arthritis studies
- State of the art method isolates total RNA while minimizing copurification of proteoglycans
- Isolate total RNA from a variety of cartilage
- No proteinase K required

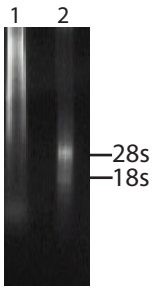

Fig. 5. Image of Isolated Cartilage RNA on agarose gel Lane 1: 1 µg mouse cartilage RNA isolated by competitor's total RNA isolation kit. Lane 2: 1 µg mouse cartilage RNA isolated by Biochain's Cartilage RNA Isolation Kit.

Catalog No.	Product	Unit
K1341050	Broad Range Total RNA Isolation Kit	1 kit
K2014005	Total RNA Extraction Kit	1 kit
KS341025	MicroRNA Isolation Kit	1 kit
K1011100	FFPE Tissue RNA Extraction Kit	1 kit
K2031010	Cartilage RNA Isolation Kit	1 kit
K1012050	Whole Blood RNA Extraction Kit	1 Kit

Please inquire about our other kits and applications.

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