

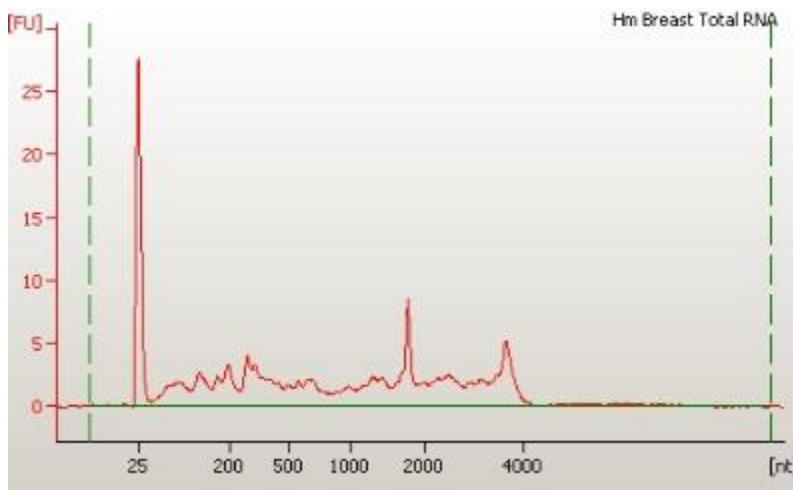


FirstChoice[®] Human Breast Total RNA

Store at -70°C .
Do not store in a frost-free freezer.

Catalog # (Part No.): AM6952
Amount: 50 μg
Concentration: 1 mg/mL
Absorbance _{260/280}: 1.7–2.1
Storage Conditions: Store at or below -70°C . Avoid multiple freeze-thaw cycles. Aliquots of the product may be stored short-term at -20°C . **Do not store in a frost-free freezer.**
Storage Buffer: THE RNA Storage Solution (1 mM Sodium Citrate, pH 6.4; Part no. AM7000)
Donor Information:
Race: Caucasian Negative Serology Results: HIV I, II, HBV, HCV
Gender: Female C.O.D. / Other: Dementia
Age: 83

Bioanalyzer Data:



rRNA Ratio (28S/18S): 1.0

USER INFORMATION

Product Description:

FirstChoice[®] Human Tissue Total RNA is prepared from tissues that have been frozen or stored in RNA^{later}[®] Tissue Collection: RNA Stabilization Solution (Part no. AM7020) until processing. RNA is isolated using a modified version of the ToTALLY RNA™ Kit (Part no. AM1910). The purified RNA undergoes a stringent DNase treatment. It has been precisely quantified and is provided at 1 mg/mL in THE RNA Storage Solution (Part no. AM7000). The integrity of the RNA is verified by capillary electrophoresis using the Agilent[®] 2100 Bioanalyzer™ instrument.

FirstChoice Tissue Total RNA provides the researcher with access to RNA isolated from tissue that might otherwise be unavailable or difficult to work with due to small sample size or high RNase content. In addition, the RNA may serve as a positive control when a particular mRNA is known to be expressed in this tissue. FirstChoice Total RNAs are ready for use in RT-PCR, Northern analysis, ribonuclease protection assays, S1 nuclease assays, cDNA synthesis, and in vitro translation. FirstChoice Tissue Total RNA is certified to contain small RNAs (miRNA, siRNA, and snRNA).

Handling Instructions:

RNA is very sensitive to degradation by exogenous ribonucleases introduced during handling. Wear gloves when handling this product. Use RNase-free reagents, tubes, and barrier pipette tips.

Thawing Instructions

Thaw just to completion at 37°C , vortex for a few seconds when fully thawed, and place on ice. Aliquot the RNA, if necessary, to minimize freeze-thaw cycles (≤ 5).

Tissue Procurement:

Life Technologies is committed to the highest ethical standards for tissue procurement.

- Life Technologies is committed to maintaining the highest level of ethical standards with regard to all tissue that is used in the preparation of RNA and RNA-derived products.
- All of our human-derived materials have been prepared from tissue obtained with consent from a fully informed donor or a member of the donor's family.
- All human tissue received has been procured following appropriate guidelines and policies.

Note: No known test method can offer absolute assurance that products derived from human biological materials will not transmit infectious diseases. Employ all appropriate precautions when using human-derived materials [1].

Reference:

1. Grizzle WE and Polt SS (1998) Guidelines to avoid personnel contamination by infective agents in research laboratories that use human tissues. *J Tissue Culture Methods*. **11**:191–199.

CERTIFICATE OF ANALYSIS

Product:

FirstChoice® Human Breast Total RNA

Catalog #:

AM6952

Lot #:

03120071

Exonuclease Activity:

A sample is incubated with labeled double-stranded DNA, followed by PAGE analysis.
Result: PASS

Functional Testing:**Accelerated Stability Testing**

RNA integrity is checked on an Agilent® Bioanalyzer™ instrument before and after a 14–18 hr incubation at 37°C.
Result: PASS

DNA Contamination

Real-time PCR using a TBP (Tata Box Binding Protein) TaqMan® probe is performed.
Result: PASS



Rick Fletcher
Manager, Quality Assurance

OTHER INFORMATION

Safety Data Sheets:

Safety Data Sheets (SDSs) are available from www.lifetechnologies.com/support.

Notices and Warranty Information:

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.

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