Product Name:
Human Adult Normal Tissue: Liver, Ambient temperature shipping **Catalog No.:** ATR1234149-50

Storage Condition: from -80°C to room temperature **Shipping Condition:** Ambient

Shelf Life: Half a year from the date of receipt under proper storage condition. Store dry at room temperature or reconstituted at -80°C

Description
Total RNA is isolated by modified guanidine thiocyanate techniques and stored in RNA storage buffer.

Quality Control
Total RNA
1. The integrity of the RNA is examined by visual inspection for the presence of intact bands of 18s and 28s ribosomal RNA when electrophoreses on a denaturing agarose gel. The quality and purity of total RNA were tested by spectrophotometer. A260/280 is between 1.8 and 2.1
2. The RNA is treated by DNAse I, and is tested as DNA free RNA by PCR
3. cDNA synthesis is successfully performed by using this RNA as template

RNA Recovery Protocol
For RNA units of 10 µg/vial, add 10 µl molecular-grade water to the vial. For 50 µg/vial, add 50 µl. Incubate the vial at room temperature (21°C-25°C) for 10 minutes. (Do not attempt to recover RNA on ice). Pipette up and down 10 times to reconstitute the RNA. Alternatively, vial may be vortexed for 10 seconds and centrifuged briefly. The RNA is ready for use in QC or downstream applications. RNA recovered from dried vials may be used for up to 8 hours in liquid form at room temperature (21°C-25°C), or on ice, with increased stability. Following the 8 hours period post recovery, store recovered RNA according to your typical protocol

Note:
1. Total RNA from some rare tissues and tumor tissues may not be treated by DNAse I
2. To visualize the RNA images on agarose gel, we recommend the same gel system be used as BioChain's (1% agarose gel in1xMOPS buffer with formaldehyde). AMSBIO is not responsible for customers getting degraded RNA images from other gel systems, such as TAE gel, TBE gel, Urea gel, etc.
3. RNA concentration should be measured by diluting the RNA in 10 mM Tris-HCl, pH 7.5 in general spectrophotometer, or directly on Nanodrop by using DEPC water with 0.1 mM EDTA as blank. RNA concentration may vary if it is detected in other solutions.

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