

Total RNA Certificate of Analysis

Product Name: Total RNA

Catalog No.: RXXXXXXX

Shipping Condition: Dry Ice

Storage Condition: -70°C

Shelf Life: Half a year from the date of receipt under proper storage condition

Description

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

Quality Control

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. A_{260/280} is between 1.8 and 2.0 (detected in 10 mM Tris-Cl, pH 7.5).
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.

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 CBI's (1% agarose gel in 1xMOPS buffer with formaldehyde). CBI is not responsible for customer's getting degraded RNA images from other gel systems, such as TAE gel, TBE gel, Urea gel, etc.
3. CBI is not using Agilent Bioanalyzer as a standard QC method, if customers request RNA tested on Agilent Bioanalyzer, additional fee will be applied for each sample.

FOR RESEARCH USE ONLY

APPROVED BY: _____