Certificate of Analysis

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PRODUCT: Human Bone Marrow Total RNA

CATALOG No.
636591

CONCENTRATION
1 µg/µl

LOT NUMBER 1002008

FORM
Suspension of total RNA in RNase-free water.

STORAGE CONDITIONS
Store at –70°C

SHELF LIFE
1 year from date of receipt under proper storage conditions

SHIPPING CONDITIONS
Dry ice (–70°C)

DESCRIPTION
Total RNA isolated by a modified guanidinium thiocyanate method (1).

PACKAGE CONTENTS
10 µg Total RNA from the tissues/cells specified below

TOTAL RNA SOURCE
Normal bone marrow pooled from 56 Asian males/females, ages: 22-85

No further RNA source information is available.

IMPORTANT NOTE
To prevent contamination by RNases, always wear gloves when handling RNA. Avoid multiple freeze/thaw cycles.

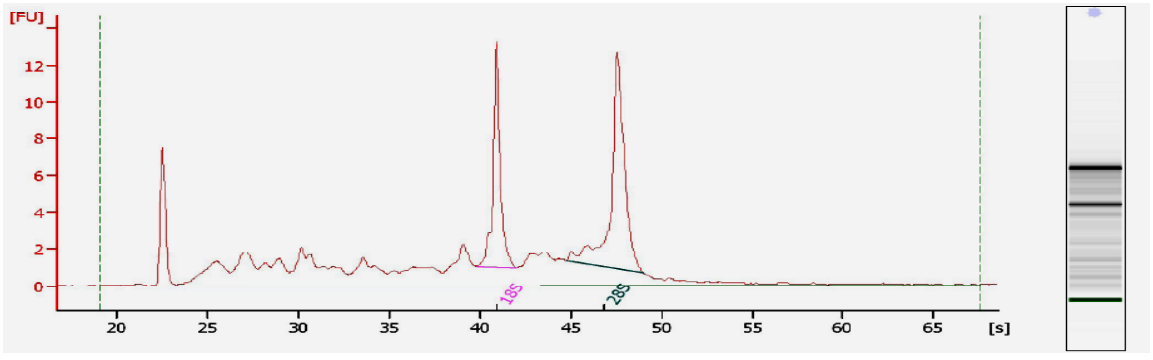
FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

This lot of total RNA was analyzed by capillary electrophoresis (CE) using an Agilent 2100 Bioanalyzer. The actual electropherogram trace for this RNA is provided below. RNA concentration and purity were evaluated by UV spectrophotometry.

Both the area ratio of the 28S/18S rRNA peaks, and the proportion (relative percentage) of these two peak areas to the total area under the electropherogram provide reliable quantitative estimates of RNA integrity. For both of these criteria, this sample meets or exceeds Clontech standards for high quality total RNA.

Peak Areas: 28S: 18.4% 18S: 11.8% Ratio 28S/18S: 1.6 Ratio A_{260}/A_{280}: 1.9



REFERENCES

1. Chomczynski, P. & Sacchi, N. (1987) Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction. *Anal. Biochem.* **162**:156-159.

APPROVED BY: _____

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