Certificate of Analysis

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PRODUCT: Human Breast Tumor Total RNA

CATALOG No.
636635

CONCENTRATION
40 µg

LOT NUMBER 1109330A

FORM
Suspension of total RNA in RNase-Free water (1 mg/ml).

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).

TOTAL RNA SOURCE
Breast, infiltrative ductal carcinoma isolated from a 64-year-old Caucasian female

ADDITIONAL CLINICAL INFORMATION
Morphology: M8500/3
Neoplasms: 174.9
Tumor size: 2.5 cm

METASTASIS
Metastases seen in lymph nodes

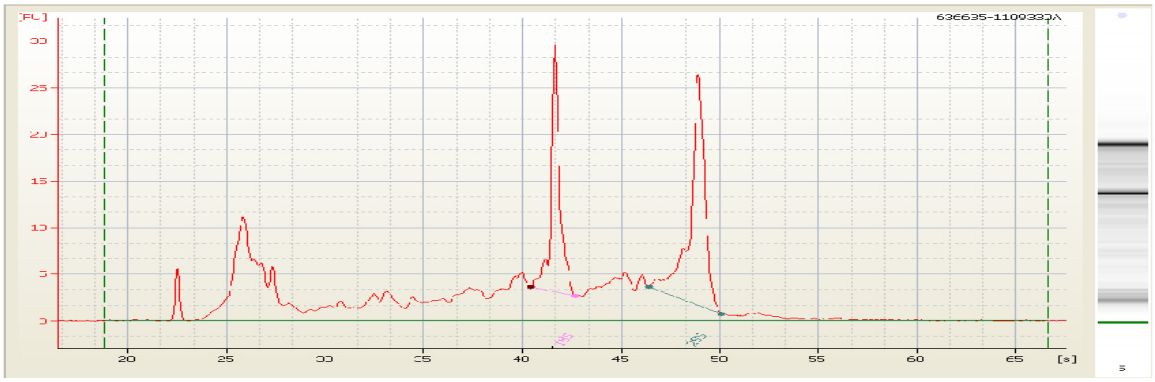
IMPORTANT NOTE
To prevent contamination by RNases, always wear gloves when handling RNA. Avoid multiple freeze/thaw cycles.

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: 14.7% 18S: 10.7% Ratio 28S/18S: 1.4 Ratio A_{260}/A_{280}: 2.0



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.

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Notice to Purchaser

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10/27/2011

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