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PRODUCT: Human Lung Tumor Total RNA

CATALOG No.

636633

AMOUNT

40 µg

DESCRIPTION

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

LOT NUMBER 1104153A
FORM

Suspension of total RNA in RNase-Free water (0.9 mg/ml).

TOTAL RNA SOURCE

Lung squamous cell carcinoma NOS isolated from a 60-year-old male Caucasian

STORAGE CONDITIONS

Store at -70°C

ADDITIONAL CLINICAL INFORMATION

Morphology: M8071/3

Neoplasms: 162.9

SHELF LIFE

1 year from date of receipt under proper storage conditions.

METASTASIS: None seen

SHIPPING CONDITIONS

Dry ice (-70°C)

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: 22.0% 18S: 16.2% 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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