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PRODUCT: Human Mammary Gland Total RNA

CATALOG No. 636576	CONCENTRATION 1 µg/µl	DESCRIPTION Total RNA isolated by a modified guanidinium thiocyanate method (1).
LOT NUMBER 1104150A		PACKAGE CONTENTS 50 µg Total RNA from the tissues/cells specified below
FORM Suspension of total RNA in RNase-Free water.		TOTAL RNA SOURCE Normal human mammary gland pooled from a 27-year-old Caucasian female, cause of death: sudden death
STORAGE CONDITIONS Store at -70°C		No further RNA source information is available.
SHELF LIFE 1 year from date of receipt under proper storage conditions.		IMPORTANT NOTE To prevent contamination by RNases, always wear gloves when handling RNA. Avoid multiple freeze/thaw cycles.
SHIPPING CONDITIONS Dry ice (-70°C)		

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: 30.0% 18S: 18.6% Ratio 28S/18S: 1.6 Ratio A_{260}/A_{280} : 2.0



REFERENCES

- 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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