

Human Mammary Gland Total RNA

Catalog No. 636576	Amount 50 µg	Lot Number 2007158A
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Description

Total RNA isolated by a modified guanidinium thiocyanate method (Chomczynski and Sacchi 1987).

Package Contents

- 50 µg Total RNA from the tissues/cells specified below

Storage Conditions

- Store at -70°C .

Form

- Total RNA provided in RNase-free water.

Concentration

- 1 µg/µl

Total RNA Source

- Normal human mammary gland pooled from a 27-year-old Caucasian female, cause of death: sudden death
- No further RNA source information is available.

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Dry ice (-70°C)

Important Note

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

References

Chomczynski, P. & Sacchi, N. Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction. *Anal. Biochem.* **162**, 156–9 (1987).

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Certificate of Analysis

Cat. No. 636576

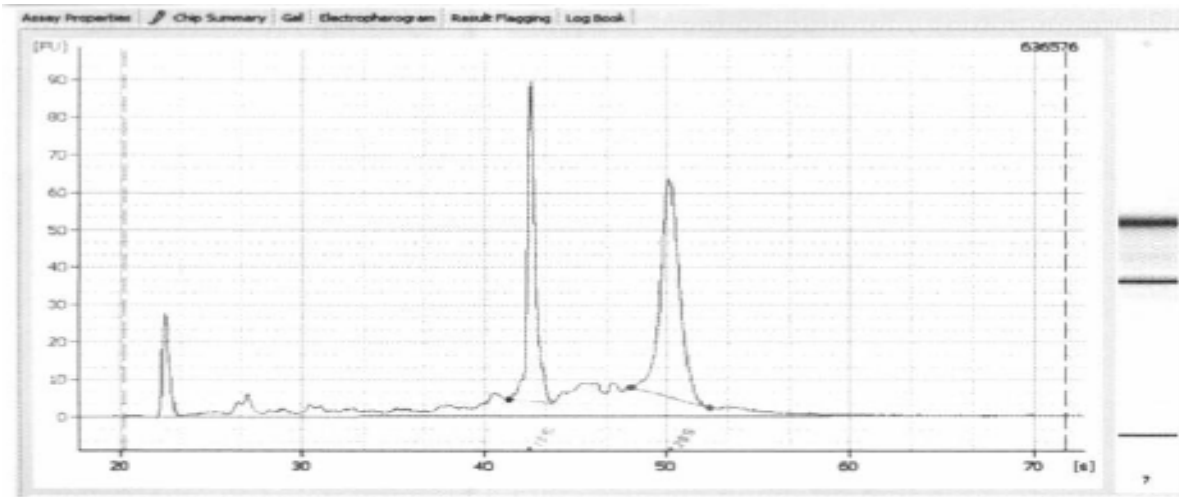
Human Mammary Gland Total RNA

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 our standards for high-quality total RNA.

Peak Areas: 28S: 28.4% 18S: 19.9% Ratio 28S/18S: 1.4 Ratio A₂₆₀/A₂₈₀: 2.1



Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.31	43.65	99.2	19.9
28S	48.01	52.33	141.4	28.4

RNA Area:	498.5	RNA Integrity Number (RIN):	8.9 (8.02.08)
RNA Concentration:	330 ng/ μ l	Result Flagging Color:	
rRNA Ratio (28s / 18s):	1.4	Result Flagging Label:	RIN: 8.90

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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CATALOG NO.

636576

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