

Certificate of Analysis

Mouse Kidney Total RNA

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|------------------------------|-------------------------|-------------------------------|
| Catalog No. 636612 | Amount 250 µg | Lot Number 2309529A |
|------------------------------|-------------------------|-------------------------------|

Description

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

Package Contents

- 250 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 mouse kidney from 454 males BALB/c; age(s) 10 weeks; cause of death: N/A.
- No further RNA source information is available.

Expiration Date

- OCT. 19, 2026

Shipping Conditions

- Dry ice

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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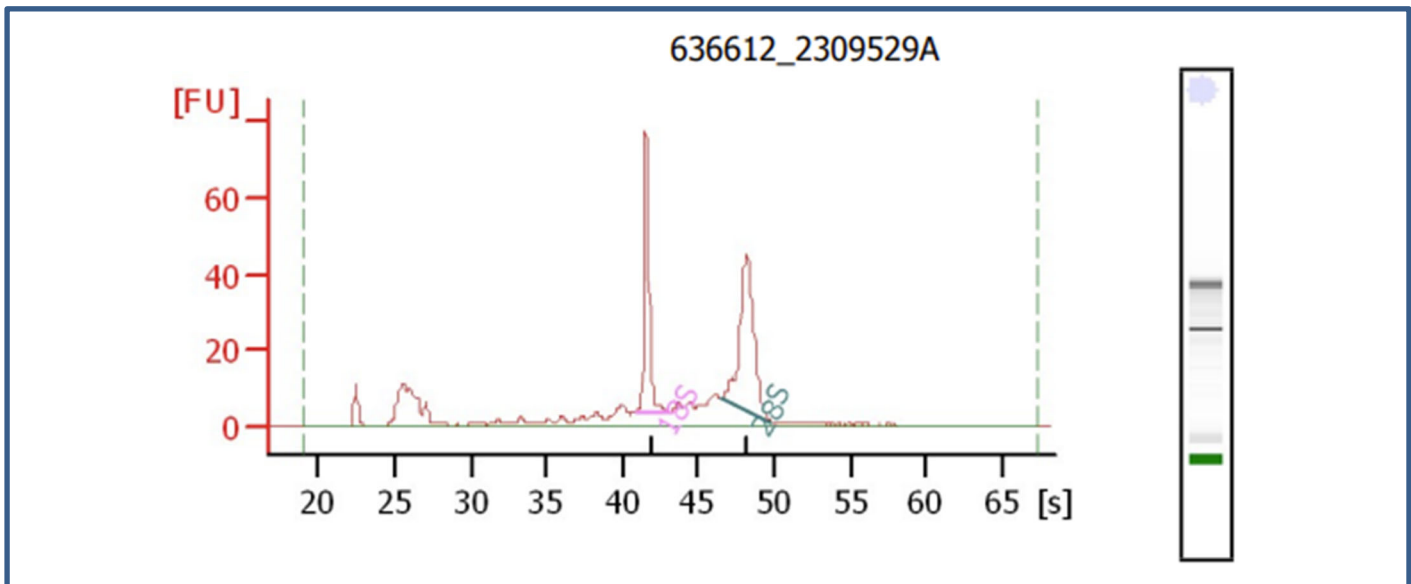
Mouse Kidney Total RNA

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: 24.1% 18S: 17.9% Ratio 28S/18S: 1.3 Ratio A₂₆₀/A₂₈₀: 2.0



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

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1/24/2023