

# Certificate of Analysis

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## Human Heart Total RNA

**Catalog No.**  
636532

**Amount**  
50 µg

**Lot Number**  
2304089

### 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 heart from 5 males Asian; age(s): 20-29; cause of death: N/A.
- No further RNA source information is available.

### Shelf Life

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

### 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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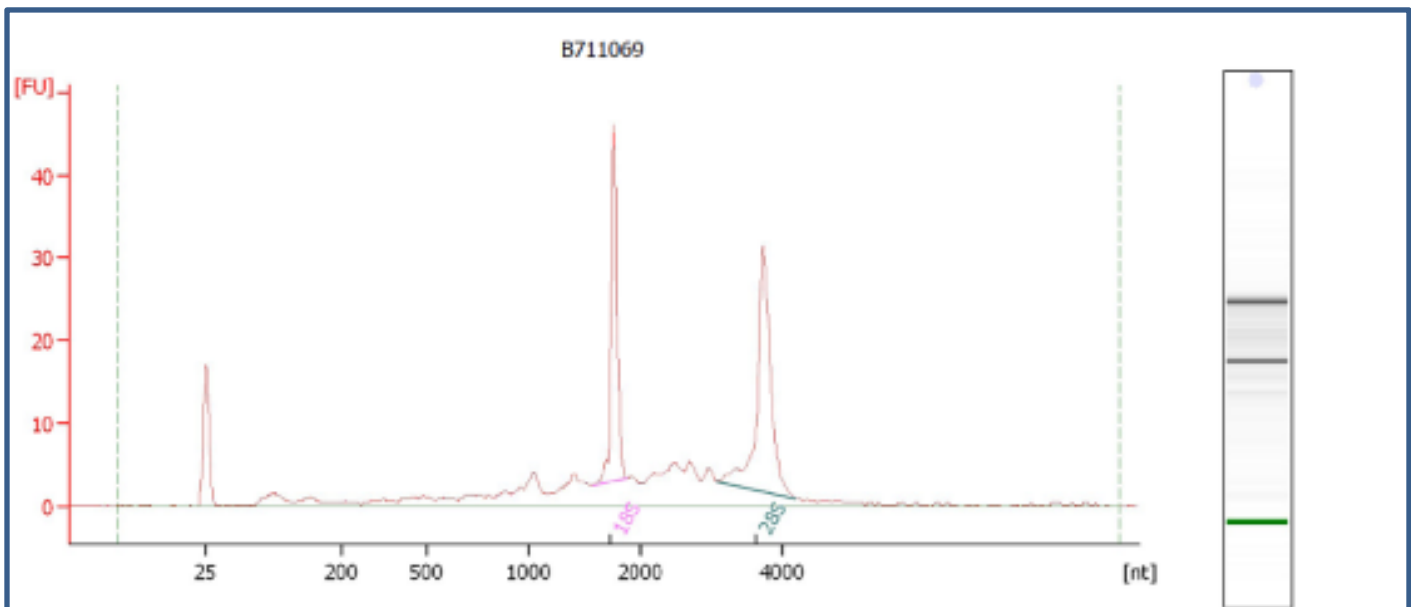
Human Heart Total RNA

## 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: 22%                      18S: 15.7%                      Ratio 28S/18S: 1.4                      Ratio A<sub>260</sub>/A<sub>280</sub>: 2.0



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

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