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## TOTAL RNA- HUMAN LUNG

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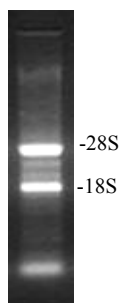
**CATALOG NUMBER:** SG1110-02

**QUANTITY:** 50µg

**DESCRIPTION:** Total RNA from normal human lung tissue.

**DONOR INFORMATION:** Gender: male Age: 35 Race: Asian Cause of Death: Acute Head Injury

**QUALITY CONTROL:** The OD 260/280 ratio for total RNA sample in Tris-HCl buffer (pH 7.5) is 2.0. RNA integrity is confirmed by the electrophoresis of 1 µg total RNA sample on a denaturing formaldehyde/agarose/EtBr gel (Fig.1).



**Figure 1: Total RNA from human lung.** 1 µg of total RNA was analyzed using a 1% denaturing formaldehyde /agarose /EtBr gel.

**STORAGE BUFFER:** 50µg RNA/vial is dissolved in 70% ethanol, 0.08M sodium acetate.

**PRIOR TO USE:**

- 1) Centrifuge the tube at 14,000 rpm for 10 minutes in a microcentrifuge at 4°C
- 2) Remove the supernatant and resuspend the pellet in 70% ethanol.
- 3) Centrifuge the tube at 14,000 rpm for 10 minutes in a microcentrifuge at 4°C.
- 4) Remove the supernatant and resuspend the pellet in DEPC-treated H<sub>2</sub>O to the desired concentration.

**STORAGE/HANDLING:** Purified RNA is recommended being stored at -70°C. Avoid repeated freeze /thaw cycles. Handle with gloves to prevent contamination with RNase.

**SHELF LIFE:** 1 year from date of receipt under proper storage conditions.

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