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PRODUCT: Mouse Total RNA Master Panel

| | | |
|------------------------------|---------------------------------|--|
| CATALOG No. 636644 | CONCENTRATION 1 µg/µl | DESCRIPTION Total RNA isolated by a modified guanidinium thiocyanate method (1). |
|------------------------------|---------------------------------|--|

LOT NUMBER 1305299A

FORM
Suspension of total RNA in RNase-Free water.

PACKAGE CONTENTS

10 µg Total RNA from each of the tissues/cells specified on the back of this page

STORAGE CONDITIONS

Store at -70°C

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

Each total RNA lot included in the panel was individually analyzed by one of the following methods:

- Capillary electrophoresis (CE) using an Agilent 2100 Bioanalyzer, or
- Denaturing formaldehyde agarose gel electrophoresis

Agilent 2100 Bioanalyzer method and criteria:

For samples tested by this method: Each individual lot of total RNA was analyzed by capillary electrophoresis (CE) using an Agilent 2100 Bioanalyzer. 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 peaks area 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.

Denaturing formaldehyde gel method and criteria:

For samples tested by this method: After electrophoresis on a denaturing formaldehyde gel, each individual lot of RNA was found to have distinct 28S and 18S ribosomal bands. RNA concentration and purity were evaluated by UV spectrophotometry.

REFERENCES

1. 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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TISSUE SOURCES

| Tissue | Source |
|----------------|---|
| 7-day embryo | pooled from male/female BALB/c mice |
| 11-day embryo | pooled from male/female BALB/c mice |
| 15-day embryo | pooled from 400 male/female Webster mice |
| 17-day embryo | pooled from 200 male/female Webster mice |
| brain, whole | pooled from 67 male BALB/c mice, ages 8-9 weeks |
| eye | pooled from 358 male BALB/c mice, ages 8-9 weeks |
| heart | pooled from 140 male BALB/c mice, ages 10-12 weeks |
| kidney | pooled from 200 male BALB/c mice, ages 8-12 weeks |
| liver | pooled from 18 male BALB/c mice, ages 8-9 weeks |
| lung | pooled from 200 male/female BALB/c mice, ages 8-12 weeks |
| salivary gland | pooled from 200 male/female Webster mice, ages 6-10 weeks |
| smooth muscle | pooled from 200 male/female BALB/c mice, ages 8 weeks |
| spinal cord | pooled from 110 male BALB/c mice, ages 8-9 weeks |
| spleen | pooled from 200 male/female BALB/c mice, ages 8-12 weeks |
| thymus | pooled from male/female BALB/c mice, ages 6 weeks |

Mouse Total RNA Master Panel

CATALOG NO.

636644

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