

## Mouse MTC™ Panel III

| Catalog No(s). | Amount  | Lot Number |
|----------------|---------|------------|
| 636757         | 10 rxns | 1406657A   |

### Description

Panel of normalized, first strand cDNA preparations from RNA from the tissues listed on the back of this page. The cDNAs included in MTC Panels can be used as templates for PCR using gene-specific primers to study tissue expression patterns. Each cDNA preparation is sufficient for 10 PCR amplifications. G3PDH PCR Primers and Control cDNA are included for 10 positive control reactions.

### Package Contents

- 50 µl First-strand cDNA from each of the tissues specified on the back of this page.
- 50 µl Mouse Control cDNA
- 40 µl G3PDH Control 5' & 3' PCR Primers (10 µM each)

### Storage Conditions

- Store at -20°C

### Shelf Life

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

### Shipping Conditions

- Dry ice (-70°C)

### Number of Samples

- 8

### Concentration

- ~2 ng/µl

### Normalization

The following genes were used to normalize the concentration of the cDNA samples:

G3PDH

beta-actin

ribosomal protein S29

phospholipase A2

### RNA Type

Total RNA

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|--|---------------------------------|------------------------------|-----------------------------|

## RNA Source

The age and sex of tissue donors are specified below. All tissue sources, as far as can be determined, are free from disease.

## Product Documents

Documents for Clontech® products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals)

The following documents apply to this product:

- cDNA Panels User Manual (PT3158-1)

## Quality Control Data

5 µl of each cDNA preparation, including the Control DNA, was tested in a separate 50 µl PCR amplification using the G3PDH Control Primers. After 22 cycles, a 5 µl sample of each PCR product was run on a 1.2% agarose/EtBr gel. Each reaction produced a single band of the expected size (983 bp).

## Tissue or Cell Line Sources

| Tissue/Cell Line    | Source   |
|---------------------|--|
| placenta            | pooled from BALB/c mice, ages 6 weeks                      |
| eye, whole (BALB/c) | pooled from 800 female BALB/c mice, ages 9-12 weeks        |
| lymph node, whole   | pooled from 1200 male/female Webster mice, ages 8-10 weeks |
| smooth muscle       | pooled from 200 male/female BALB/c mice, ages 8 weeks      |
| prostate            | pooled from 200 Webster mice, ages 8-12 weeks              |
| thymus              | pooled from male/female BALB/c mice, ages 6 weeks          |
| stomach             | pooled from 200 male/female BALB/c mice, ages 8-12 weeks   |
| uterus              | pooled from BALB/c mice, ages 6 weeks                      |

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### CATALOG NO.

636757

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