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## PRODUCT: Mouse MTC™ Panel I

**CATALOG No.**  
636745

**LOT NUMBER** 1305694A

**STORAGE CONDITIONS**  
Store at -20°C

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

**SHIPPING CONDITIONS**  
Dry ice (-70°C)

**RNA TYPE**  
Poly A<sup>+</sup> RNA

**RNA SOURCE**  
The age and sex of tissue/cell donors are specified on the back of this page. All tissue sources, as far as can be determined, are free from disease.

### DESCRIPTION

Panel of normalized, first strand cDNA preparations from RNA from the tissues/cells 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.

**NUMBER OF SAMPLES:** 12

**CONCENTRATION** 1.0 ng/μl

### NORMALIZATION

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

beta-actin  
G3PDH  
phospholipase A2  
ribosomal protein S29

### PACKAGE CONTENTS

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

### OTHER

cDNA Panels User Manual  
(PT3158-1)

## FOR RESEARCH USE ONLY

### 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).



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(PA832671)

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**TISSUE OR CELL LINE SOURCES**

<b>Tissue/Cell Line</b>	<b>Source</b>
heart (whole)	pooled from 1600 female BALB/c mice, age 8-12 weeks
brain (whole)	pooled from 1000 male/female BALB/c mice, age 8-12 weeks
spleen	pooled from mice
lung	pooled from 300 male BALB/c mice, age 8-12 weeks
liver (whole)	pooled from 800 male BALB/c mice, age 9-12 weeks
skeletal muscle	pooled from >200 BALB/c mice, age 8-12 weeks
kidney (whole)	pooled from 200 male BALB/c mice, age 8-12 weeks
testis	pooled from 200 male BALB/c mice, age 8-12 weeks
7-day embryo	pooled from 200 male/female Swiss Webster/NIH mice
11-day embryo	pooled from 200 Webster mice
15-day embryo	pooled from 200 male/female Webster mice
17-day embryo	pooled from 200 male/female Swiss Webster/NIH mice

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## Mouse MTC Panel I

### CATALOG NO.

636745

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