

## Mouse MTC™ Panel I

Catalog No.	Amount	Lot Number
636745	10 rxns	2406A54A

### 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.

### Package Contents

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

### Storage Conditions

- Store at -20°C.

### Expiration Date

- AUG. 08, 2026

### Shipping Conditions

- Dry ice

### 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

### RNA Type

- PolyA<sup>+</sup> RNA

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#### Takara Bio USA, Inc.

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: [technical\\_support@takarabio.com](mailto:technical_support@takarabio.com)

United States/Canada  
800.662.2566  
(090424)

Asia Pacific  
+1.650.919.7300

Europe  
+33.(0)1.3904.6880

Japan  
+81.(0)77.565.6999

## RNA Source

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

## Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

The following documents apply to this product:

- cDNA Panels User Manual

## 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
Mouse Heart (whole)	Pooled from 1600 female BALB/c specimens; ages: 8-12 weeks; cause of death: unknown
Mouse Brain (whole)	Pooled from 1000 male/female BALB/c specimens; ages: 8-12 weeks; cause of death: N/A
Mouse Spleen	N/A
Mouse Lung	Pooled from 300 male BALB/c specimens; ages: 8-12 weeks; cause of death: N/A
Mouse Liver (whole)	Pooled from 800 male BALB/c specimens; ages: 9-12 weeks; cause of death: unknown
Mouse Skeletal Muscle	Pooled from >200 unknown gender BALB/c specimens; ages: 8-12 weeks; cause of death: N/A
Mouse Kidney	Pooled from 200 male BALB/c specimens; ages: 8-12 weeks; cause of death: N/A
Mouse Testis	Pooled from 200 male BALB/c specimens; ages: 8-12 weeks; cause of death: N/A
Mouse 7-day Embryo	Pooled from 200 male/female Webster specimens; age: 1 week; cause of death: unknown
Mouse 11-day Embryo	Pooled from 200 male/female Webster specimens; age: 11 days; cause of death: N/A
Mouse 15-day Embryo	Pooled from 200 male/female Webster specimens; age: 15 days; cause of death: N/A
Mouse 17-day Embryo	Pooled from 200 male/female Swiss Webster/NIH specimens; age: 17 days; cause of death: N/A

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

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### CATALOG NO.

636745

### NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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