

Mouse MTC™ Panel I

Catalog No.
636745

Amount
10 rxns

Lot Number
2110148A

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 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

- 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⁺ RNA

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

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
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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