

## Human Fetal MTC™ Panel

**Catalog No.**  
636747

**Amount**  
10 rxns

**Lot Number**  
1702012A

### 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 the 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 Human 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.

### RNA Type

- Poly A+ 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.

### Number of Samples

- 8

### Concentration

- ~1.0 ng/µl

### Normalization

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

- phospholipase A2
- G3PDH
- beta-actin
- alpha-tubulin

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#### Takara Bio USA, Inc.

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# Certificate of Analysis

Cat. No. 636747

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## Shipping Conditions

- Dry ice (−70°C)

## 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 (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

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Tissue/Cell Line	Source
fetal brain	pooled from 59 spontaneously aborted male/female Caucasian fetuses, ages 20-33 weeks
fetal lung	pooled from 38 spontaneously aborted male/female Caucasian fetuses, ages 20-30 weeks
fetal liver	pooled from 38 spontaneously aborted male/female Caucasian fetuses, ages 22-40 weeks
fetal kidney	pooled from 32 spontaneously aborted male/female Caucasian fetuses, ages 21-37 weeks
fetal heart	pooled from 32 spontaneously aborted male/female Caucasian fetuses, ages 21-37 weeks
fetal spleen	pooled from 50 spontaneously aborted male/female Caucasian fetuses, ages 16-32 weeks
fetal thymus	pooled from 17 spontaneously aborted male/female Caucasian fetuses, ages 16-32 weeks
fetal skeletal muscle	pooled from 13 spontaneously aborted male/female Caucasian fetuses, ages 23-36 weeks

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

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### NOTICE TO PURCHASER:

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