

## Human MTC™ Panel II

**Catalog No.**  
636743

**Amount**  
10 rxns

**Lot Number**  
2204176A

### 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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## 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

## 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
Colon with mucosal lining	Pooled from 5 human male/female Caucasians; age: 27-61 years; cause of death: sudden death
Leukocyte, peripheral blood	Pooled from 550 human male/female Caucasians; age: 18-40 years; cause of death: donor
Ovary	Pooled from 15 human female Caucasians; age: 20-60 years; cause of death: sudden death or trauma
Prostate	Pooled from 98 human male Caucasians; age: 15-70 years; cause of death: sudden death
Small intestine without mucosal lining	Pooled from 4 human male/female Caucasians; age: 21-38 years; cause of death: trauma
Spleen	Pooled from 15 human male/ female Caucasians; age: 22-69 years; cause of death: trauma
Testis	Pooled from 7 human male Caucasians; age: 10-37 years; cause of death: trauma
Thymus	Pooled from 9 human male/female Caucasians; age: 20-40 years; cause of death: sudden death

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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