

## Human MTC™ Panel II

Catalog No(s).	Amount	Lot Number
636743	10 rxns	1405163A

### 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<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.

### Number of Samples

- 8

### Concentration

- ~1.0 ng/µl

### Normalization

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

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

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# Certificate of Analysis

Cat. No. 636743

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## Shipping Conditions

- Dry ice (-70°C)

## Product Documents

Documents for Clontech® products are available for download at [www.clontech.com/manuals](http://www.clontech.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
Colon with mucosa	pooled from 5 male/female Caucasians, ages 27-61
Ovary	pooled from 15 Caucasians, ages 20-60
Peripheral leukocytes	pooled from 550 male/female Caucasians, ages 18-40
Prostate	pooled from 98 Caucasians, ages 15-70
Small intestine w/o mucosal lining	pooled from 32 male/female Caucasians, ages 15-57
Spleen	pooled from 15 male/female Caucasians, ages 22-69
Testis	pooled from 45 Caucasians, ages 14-64
Thymus	pooled from 9 male/female Caucasians, ages 20-40

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