

## Human MTC™ Panel I

<b>Catalog No(s).</b> 636742	<b>Amount</b> 10 rxns	<b>Lot Number</b> 1312344A
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### 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:

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

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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**

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<b>Tissue/Cell Line</b>	<b>Source</b>
Heart	pooled from 3 male Caucasians, ages 24-41
Brain	pooled from 8 male Caucasians, ages 43-65
Placenta	pooled from 11 female Caucasians, ages 19-39
Lung	pooled from 1 male Caucasian, age 50
Liver	pooled from 1 male Caucasian, age 35
Skeletal Muscle	pooled from 4 male/female Caucasians, ages 25-56
Kidney	pooled from 4 male/female Caucasians, ages 28-48
Pancreas	pooled from 15 male/female Caucasians, ages 22-69

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