

## Human MTC™ Panel II

Catalog No(s).	Amount	Lot Number
636743	10 rxns	1312554A

### 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

---

#### Clontech Laboratories, Inc.

A Takara Bio Company  
1290 Terra Bella Avenue, Mountain View, CA 94043, USA  
U.S. Technical Support: [tech@clontech.com](mailto:tech@clontech.com)

United States/Canada 800.662.2566 (012314)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.543.6116
--	---------------------------------	------------------------------	-----------------------------

# Certificate of Analysis

Cat. No. 636743

Human MTC™ Panel II

---

## 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

---

## Human MTC™ Panel II

### CATALOG NO.

636743

### NOTICE TO PURCHASER:

Clontech products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Clontech products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of Clontech Laboratories, Inc.

Your use of this product is also subject to compliance with the licensing requirements listed below and described on the product's web page at <http://www.clontech.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

### TRADEMARKS:

Clontech, the Clontech logo and MTC are trademarks of Clontech Laboratories, Inc.

All other marks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions. Clontech is a Takara Bio Company. ©2014 Clontech Laboratories, Inc. This document has been reviewed and approved by the Clontech Quality Assurance Department.

---

#### Clontech Laboratories, Inc.

A Takara Bio Company  
1290 Terra Bella Avenue, Mountain View, CA 94043, USA  
U.S. Technical Support: [tech@clontech.com](mailto:tech@clontech.com)

2/24/2014

United States/Canada	Asia Pacific	Europe	Japan
800.662.2566	+1.650.919.7300	+33.(0)1.3904.6880	+81.(0)77.543.6116