

## Human MTC™ Panel II

**Catalog No.**  
636743

**Amount**  
10 rxns

**Lot Number**  
2108130A

### 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

---

#### Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA  
U.S. Technical Support: [techUS@takarabio.com](mailto:techUS@takarabio.com)

United States/Canada  
800.662.2566  
(101717)

Asia Pacific  
+1.650.919.7300

Europe  
+33.(0)1.3904.6880

Japan  
+81.(0)77.565.6999

Human MTC Panel II

---

## 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.

---

## Human MTC Panel II

### CATALOG NO.

636743

### NOTICE TO PURCHASER:

Our 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. Our 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 Takara Bio USA, 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.takarabio.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

### TRADEMARKS:

**©2017 Takara Bio Inc. All Rights Reserved.**

All trademarks are the property of Takara Bio Inc. or its affiliate(s) in the U.S. and/or other countries or their respective owners. Certain trademarks may not be registered in all jurisdictions.

---

#### Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: [techUS@takarabio.com](mailto:techUS@takarabio.com)

**United States/Canada**

**Asia Pacific**

**Europe**

**Japan**

10/16/2017

800.662.2566

+1.650.919.7300

+33.(0)1.3904.6880

+81.(0)77.565.6999