

Human MTC™ Panel II

Catalog No(s). 636743	Amount 10 rxns	Lot Number 4110008
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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⁺ 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

Clontech Laboratories, Inc.

A Takara Bio Company
1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: 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
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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

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 mucosal lining	Pooled from 20 male/females Caucasians, ages: 17-76
Leukocyte, peripheral blood	Pooled from 550 male/female Caucasians, ages: 18-40
Ovary	Pooled from 14 Caucasians, ages: 20-55
Prostate	Pooled from 32 Caucasians, ages: 21-50
Small intestine without mucosal lining	Pooled from 32 male/female Caucasians, ages: 15-57
Spleen	Pooled from 3 male/female Caucasians, ages: 49-54
Testis	Pooled from 45 Caucasians, ages: 14-64
Thymus	Pooled from 18 male/female Caucasians, ages: 15-32

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U.S. Technical Support: tech@clontech.com

1/15/2015

United States/Canada

Asia Pacific

Europe

Japan

800.662.2566

+1.650.919.7300

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