

Human MTC™ Panel II

Catalog No.
636743

Amount
10 rxns

Lot Number
2304535A

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

Expiration Date

- MAY 17, 2025

RNA Type

- Poly A⁺ RNA

RNA Source

- The age and sex of tissue/cell donors are specified on the second 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

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- cDNA Panels User Manual

Tissue or Cell Line Sources

Tissue/Cell Line	Source
Colon with mucosal lining	Pooled from 5 human male/female Caucasians; ages: 27-61; cause of death: sudden death
Leukocyte, peripheral blood	Pooled from 550 human male/female Caucasians; ages: 18-40
Ovary	Pooled from 15 human female Caucasians; ages: 20-60; cause of death: sudden death or trauma
Prostate	Pooled from 98 human male Caucasians; ages: 15-70; cause of death: sudden death
Small intestine without mucosal lining	Pooled from 32 human male/female Caucasians; ages: 15-57; cause of death: trauma
Spleen	Pooled from 15 human male/female Caucasians; ages: 22-69; cause of death: trauma
Testis	Pooled from 45 human male Caucasians; ages: 14-64; cause of death: sudden death
Thymus	Pooled from 9 human male/female Caucasians; ages: 20-40; cause of death: sudden death

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).

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. 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 our prior written approval.

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