

Human MTC™ Panel I

Catalog No.	Amount	Lot Number
636742	10 rxns	2306382A

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

- AUG. 03, 2025

RNA Type

- Poly A⁺ RNA

RNA Source

- The age and sex of tissue/cell donors are specified on the next 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 sequences 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
Heart	Normal human heart(whole) pooled from 3 male Caucasians; age: 24-41 years; cause of death: sudden death.
Brain	Normal human brain(whole) pooled from 8 male Caucasians; age: 43-65 years; cause of death: sudden death.
Placenta	Normal human placenta pooled from 11 female Caucasians; age: 19-39 years; cause of death: alive.
Lung	Normal human lung pooled from 1 male Caucasian; age: 50 years; cause of death: sudden death.
Liver	Normal human liver(whole) pooled from 1 male Caucasian; age: 35 years; cause of death: sudden death.
Skeletal Muscle	Normal human skeletal muscle pooled from 4 male/female Caucasians; age: 25-56 years; cause of death: trauma.
Kidney	Normal human kidney pooled from 4 male/female Caucasians; age: 28-48 years; cause of death: sudden death.
Pancreas	Normal human pancreas pooled from 15 male/female Caucasians; age: 22-69 years; 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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