

Human MTC™ Panel I

Catalog No.
636742

Amount
10 rxns

Lot Number
2111145A

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.

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Certificate of Analysis

Cat. No. 636742

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Shipping Conditions

- Dry ice (−70°C)

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 (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
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.

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 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.

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