

Human Cell Line MTC™ Panel

Catalog No.
636753

Lot Number
1309327A

Description

Panel of normalized, first strand cDNA preparations from RNA from the tissues/cells listed on page 2. 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 page 2
- 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.

Shipping Conditions

- Dry ice (-70°C)

Number of Samples: 8

Concentration: ~2.0 ng/µl

RNA Type: Total 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.

Normalization

The following genes were used to normalize the concentration of the cDNA samples:

- alpha-tubulin
- beta-actin
- G3PDH
- phospholipase A2

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	Asia Pacific	Europe	Japan
800.662.2566 (112513)	+1.650.919.7300	+33.(0)1.3904.6880	+81.(0)77.543.6116

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
Ad5 Transformed	Ad5 cell line; ATCC #293
ovarian Carcinoma	ovarian carcinoma cell line; ATCC #SKOV-3
osteocarcinoma	osteocarcinoma cell line; ATCC #Saos2
epidermoid carcinoma	epidermoid carcinoma cell line: ATCC #A431
prostatic carcinoma	prostatic carcinoma cell line: ATCC #Du145
non-small lung	non-small lung cell line; ATCC #H1299
human cell line	hela cell line: ATCC #CCL-2
human cell line-MCF7	N/A

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

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United States/Canada

Asia Pacific

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