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PRODUCT: Human MTC™ Panel I

CATALOG No.
636742

LOT NUMBER: 1105031A

STORAGE CONDITIONS
Store at -20°C

SHELF LIFE
1 year from date of receipt under proper storage conditions.

SHIPPING CONDITIONS
Dry ice (-70°C)

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.

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 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.

NUMBER OF SAMPLES: 8

CONCENTRATION 1.0 ng/μl

NORMALIZATION

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

alpha-tubulin
beta-actin
G3PDH
phospholipase A2

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)

OTHER

cDNA Panels User Manual
(PT3158-1)

FOR RESEARCH USE ONLY

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).



Clontech

United States/Canada
800.662.2566

Asia Pacific
+1.650.919.7300

Europe
+33.(0)1.3904.6880

Japan
+81.(0)77.543.6116

Clontech Laboratories, Inc.
A Takara Bio Company
1290 Terra Bella Ave.
Mountain View, CA 94043
Technical Support (US)
E-mail: tech@clontech.com
www.clontech.com

(PA832669)

TISSUE OR CELL LINE SOURCES

Tissue/Cell Line	Source
heart (whole)	pooled from 3 male Caucasians, ages 24-41
brain (whole)	pooled from 8 male Caucasians, ages 43-65
placenta	pooled from 11 female Caucasians, ages 19-39
lung	pooled from a Caucasian male, age 50
liver (whole)	pooled from a Caucasian male, age 35
skeletal muscle	pooled from 4 male/female Caucasians, ages 25-56
kidney	pooled from 4 male/female Caucasians, ages 28-48
pancreas	pooled from 15 male/female Caucasians, ages 22-69

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Clontech Laboratories, Inc.

A Takara Bio Company

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

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

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United States/Canada

Asia Pacific

Europe

Japan

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