

Rat MTC™ Panel I

Catalog No(s).	Amount	Lot Number
636751	10 rxns	1508388A

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.

Package Contents

- 50 µl First-strand cDNA from each of the tissues/cells specified on the back of this page.
- 50 µl Rat 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

- ~1.0 ng/µl

Normalization

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

beta-actin
G3PDH
phospholipase A2
ribosomal protein S29

RNA Type

Poly A⁺ RNA

Clontech Laboratories, Inc.

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RNA Source

The age and sex of tissue/cell donors are specified below. All tissue sources, as far as can be determined, are free from disease.

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
heart	pooled from 300 male Sprague-Dawley rats, ages 8-12 weeks
brain (whole)	pooled from 300 male Sprague-Dawley rats, ages 8-12 weeks
spleen	pooled from 200 male Sprague-Dawley rats, ages 8-12 weeks
lung	pooled from 200 male Sprague-Dawley rats, ages 8-12 weeks
liver	pooled from 200 male Sprague-Dawley rats, ages 8-12 weeks
skeletal muscle	pooled from 300 male Sprague-Dawley rats, ages 8-12 weeks
kidney	pooled from 200 male Sprague-Dawley rats, ages 8-12 weeks
testis	pooled from 200 male Sprague-Dawley rats, ages 8-12 weeks

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