Rat MTC™ Panel I

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

<table>
<thead>
<tr>
<th>Tissue/Cell Line</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
<td>heart</td>
<td>pooled from 300 male Sprague-Dawley rats, ages 8-12 weeks</td>
</tr>
<tr>
<td>brain (whole)</td>
<td>pooled from 300 male Sprague-Dawley rats, ages 8-12 weeks</td>
</tr>
<tr>
<td>spleen</td>
<td>pooled from 200 male Sprague-Dawley rats, ages 8-12 weeks</td>
</tr>
<tr>
<td>lung</td>
<td>pooled from 200 male Sprague-Dawley rats, ages 8-12 weeks</td>
</tr>
<tr>
<td>liver</td>
<td>pooled from 200 male Sprague-Dawley rats, ages 8-12 weeks</td>
</tr>
<tr>
<td>skeletal muscle</td>
<td>pooled from 300 male Sprague-Dawley rats, ages 8-12 weeks</td>
</tr>
<tr>
<td>kidney</td>
<td>pooled from 200 male Sprague-Dawley rats, ages 8-12 weeks</td>
</tr>
<tr>
<td>testis</td>
<td>pooled from 200 male Sprague-Dawley rats, ages 8-12 weeks</td>
</tr>
</tbody>
</table>
Notice to Purchaser

Rat MTC™ Panel I

CATALOG NO.
636751

NOTICE TO PURCHASER:

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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

<table>
<thead>
<tr>
<th>United States/Canada</th>
<th>Asia Pacific</th>
<th>Europe</th>
<th>Japan</th>
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</thead>
<tbody>
<tr>
<td>800.662.2566</td>
<td>+1.650.919.7300</td>
<td>+33.(0)1.3904.6880</td>
<td>+81.(0)77.543.6116</td>
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