PRODUCT: Human Fetal MTC™ Panel

CATALOG No.
636747

LOT NUMBER 1102232A

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 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.

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

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).
## TISSUE OR CELL LINE SOURCES

<table>
<thead>
<tr>
<th>Tissue/Cell Line</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>fetal brain</td>
<td>pooled from 59 spontaneously aborted male/female Caucasian fetuses, ages 20-33 weeks</td>
</tr>
<tr>
<td>fetal lung</td>
<td>pooled from 38 spontaneously aborted male/female Caucasian fetuses, ages 20-30 weeks</td>
</tr>
<tr>
<td>fetal liver</td>
<td>pooled from 38 spontaneously aborted male/female Caucasian fetuses, ages 22-40 weeks</td>
</tr>
<tr>
<td>fetal kidney</td>
<td>pooled from 32 spontaneously aborted male/female Caucasian fetuses, ages 21-37 weeks</td>
</tr>
<tr>
<td>fetal heart</td>
<td>pooled from 32 spontaneously aborted male/female Caucasian fetuses, ages 21-37 weeks</td>
</tr>
<tr>
<td>fetal spleen</td>
<td>pooled from 50 spontaneously aborted male/female Caucasian fetuses, ages 16-32 weeks</td>
</tr>
<tr>
<td>fetal thymus</td>
<td>pooled from 17 spontaneously aborted male/female Caucasian fetuses, ages 16-32 weeks</td>
</tr>
<tr>
<td>fetal skeletal muscle</td>
<td>pooled from 13 spontaneously aborted male/female Caucasian fetuses, ages 23-36 weeks</td>
</tr>
</tbody>
</table>
Notice to Purchaser

Human Fetal MTCTM Panel

CATALOG NO. 636747

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This document has been reviewed and approved by the Clontech Quality Assurance Department.