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## 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).



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**TISSUE OR CELL LINE SOURCES**

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

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

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