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**PRODUCT: Human MTC™ Panel II**

**CATALOG No.**  
636743

**LOT NUMBER** 1010383A

**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<sup>+</sup> 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:

G3PDH  
alpha-tubulin  
phospholipase A2  
beta-actin

**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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(PA832670)

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**TISSUE OR CELL LINE SOURCES**

<b>Tissue/Cell Line</b>	<b>Source</b>
spleen	pooled from 3 male/female Caucasians, ages 49-54
thymus	pooled from 9 male/female Caucasians, ages 20-40
prostate	pooled from 98 Caucasians, ages 15-70
testis	pooled from 45 Caucasians, ages 14-64
ovary	pooled from 15 Caucasians, ages 20-60
small intestine w/o mucosal lining	pooled from 32 male/female Caucasians, ages 15-57
colon with mucosa	pooled from 5 male/female Caucasians, ages 27-61
peripheral leukocytes	pooled from 550 male/female Caucasians, ages 18-40

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