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PRODUCT: Human Immune System MTC™ Panel

CATALOG No. 636748

LOT NUMBER 1306365A

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: 7

CONCENTRATION

~1.0 ng/μl

NORMALIZATION

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

alpha-tubulin
beta-actin
G3PDH
phospholipase A2

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

Tissue/Cell Line	Source
spleen	pooled from 15 male/female Caucasian, age: 22-69
lymph	pooled from 30 male/female Caucasian, age: 20-69
thymus	pooled from 9 male/female Caucasian, age: 20-40
tonsil	pooled from 12 male/female Caucasian, age: 19-52
leukocyte, peripheral blood	pooled from 550 male/female Caucasian, age: 18-40; all donors were tested for HIV-I, HIV-II, Hepatitis B and syphilis.
bone marrow	pooled from 22 male/female Caucasian, age: 25-60
fetal liver	pooled from 38 spontaneously aborted male/female Caucasian fetuses, age: 22-40 weeks

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