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PRODUCT: Human Digestive System MTC™ Panel

CATALOG No.
636746

LOT NUMBER 7020224

STORAGE CONDITIONS
• Long-term storage at -70°C
• Short-term storage 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 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: 12

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

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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(PA26424)

TISSUE OR CELL LINE SOURCES

Tissue/Cell Line	Source
colon, ascending	pooled from 5 male/female Caucasians, ages 18-50
colon, descending	pooled from 7 male/female Caucasians, ages 31-61
colon, transverse	pooled from 19 male/female Caucasians, ages 24-59
duodenum	pooled from 30 male/female Caucasians, ages 17-75
ileocecum	pooled from 19 male/female Caucasians, ages 24-58
ileum	pooled from 8 male/female Caucasians, ages 18-57
jejunum	pooled from 6 male/female Caucasians, ages 20-57
rectum	pooled from 6 male/female Caucasians, ages 24-52
cecum	pooled from 29 male/female Caucasians, ages 18-63
stomach	pooled from 7 male/female Caucasians, ages 20-55
liver	pooled from 4 male/female Caucasians, age 44-50
esophagus	pooled from 39 male/female Caucasians, ages 17-72

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