

Human Digestive System MTC™ Panel

Catalog No(s).	Amount	Lot Number
636746	10 rxns	1408485A

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.

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)

Storage Conditions

- Store at -20°C

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Dry ice (-70°C)

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

RNA Type

Poly A⁺ RNA

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RNA Source

The age and sex of tissue/cell donors are specified below. All tissue sources, as far as can be determined, are free from disease.

Product Documents

Documents for Clontech® products are available for download at www.clontech.com/manuals

The following documents apply to this product:

- cDNA Panels User Manual (PT3158-1)

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

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 12 male/female Caucasians, ages 25-53
ileocecum	pooled from 19 male/female Caucasians, ages 24-59
jejunum	pooled from 7 male/female Caucasians, ages 25-59
rectum	pooled from 11 male/female Caucasians, ages 24-52
ileum	pooled from 8 male/female Caucasians, ages 18-57
cecum	pooled from 19 male/female Caucasians, ages 24-55
stomach	pooled from 7 male/female Caucasians, ages 20-55
liver	pooled from a male Caucasians, ages 35
esophagus	pooled from 18 male/female Caucasians, ages 24-58

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