Human Digestive System MTC™ Panel

<table>
<thead>
<tr>
<th>Catalog No(s.)</th>
<th>Amount</th>
<th>Lot Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>636746</td>
<td>10 rxns</td>
<td>1510604A</td>
</tr>
</tbody>
</table>

**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
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

<table>
<thead>
<tr>
<th>Tissue/Cell Line</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>colon, ascending</td>
<td>pooled from 5 male/female Caucasians, ages 18-50</td>
</tr>
<tr>
<td>colon, descending</td>
<td>pooled from 7 male/female Caucasians, ages 31-61</td>
</tr>
<tr>
<td>colon, transverse</td>
<td>pooled from 19 male/female Caucasians, ages 24-59</td>
</tr>
<tr>
<td>duodenum</td>
<td>pooled from 12 male/female Caucasians, ages 25-53</td>
</tr>
<tr>
<td>ileocecum</td>
<td>pooled from 19 male/female Caucasians, ages 24-58</td>
</tr>
<tr>
<td>jejunum</td>
<td>pooled from 7 male/female Caucasians, ages 25-59</td>
</tr>
<tr>
<td>rectum</td>
<td>pooled from 11 male/female Caucasians, ages 24-52</td>
</tr>
<tr>
<td>ileum</td>
<td>pooled from 8 male/female Caucasians, ages 18-57</td>
</tr>
<tr>
<td>cecum</td>
<td>pooled from 19 male/female Caucasians, ages 24-55</td>
</tr>
<tr>
<td>stomach</td>
<td>pooled from 7 male/female Caucasians, ages 20-55</td>
</tr>
<tr>
<td>liver</td>
<td>pooled from a male Caucasians, ages 35</td>
</tr>
<tr>
<td>esophagus</td>
<td>pooled from 18 male/female Caucasians, ages 24-58</td>
</tr>
</tbody>
</table>
Notice to Purchaser

Human Digestive System MTC™ Panel

CATALOG NO. 636746

NOTICE TO PURCHASER:

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