Human Immune System MTC™ Panel

**Catalog No.**
636748

**Amount**
10 rxns

**Lot Number**
1610291A

**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.

**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.

**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.

**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
Shipping Conditions
- Dry ice (−70°C)

Product Documents
Documents for our products are available for download at takarabio.com/manuals
The following documents apply to this product:
- cDNA Panels User Manual

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>spleen</td>
<td>pooled from 3 male/female Caucasian, age: 49-54</td>
</tr>
<tr>
<td>lymph</td>
<td>pooled from 30 male/female Caucasian, age: 20-69</td>
</tr>
<tr>
<td>thymus</td>
<td>pooled from 9 male/female Caucasian, age: 20-40</td>
</tr>
<tr>
<td>tonsil</td>
<td>pooled from 12 male/female Caucasian, age: 19-52</td>
</tr>
<tr>
<td>leukocyte, peripheral blood</td>
<td>pooled from 550 male/female Caucasian, age: 18-40; all donors were tested for HIV-I,HIV-II, Hepatitis B and syphilis.</td>
</tr>
<tr>
<td>bone marrow</td>
<td>pooled from 22 male/female Caucasian, age: 25-60</td>
</tr>
<tr>
<td>fetal liver</td>
<td>pooled from 38 spontaneously aborted male/female Caucasian fetuses, age: 22-40 weeks</td>
</tr>
</tbody>
</table>

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.
Mate & Plate™ Library - Universal Arabidopsis (Normalized)

CATALOG NO.
630487

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