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PRODUCT: MTC Mouse Panel III

CATALOG No. 636757

LOT NUMBER: 1103279A

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: Total RNA

RNA SOURCE

The age and sex of tissue donors are specified on the back of this page. All tissue sources, as far as can be determined, are free of disease.

DESCRIPTION

Panel of normalized, first-strand cDNA preparations from RNA from the tissues 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: 8

CONCENTRATION: ~ 2 ng/ μl

NORMALIZATION

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

G3PDH
beta-actin
ribosomal protein S29
phospholipase A2

PACKAGE CONTENTS

- 50 μl First-strand cDNA from each of the tissues specified on the back of this page
- 50 μl Mouse 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).

See back of page.



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TISSUE OR CELL LINE SOURCES

Tissue/Cell Line	Source
placenta	pooled from BALB/c mice, ages 6 weeks
eye, whole (BALB/c)	pooled from 800 female BALB/c mice, ages 9-12 weeks
lymph node, whole	pooled from 1200 male/female Webster mice, ages 8-10 weeks
smooth muscle	pooled from 200 male/female BALB/c mice, ages 8 weeks
prostate	pooled from 200 Webster mice, ages 8-12 weeks
thymus	pooled from male/female BALB/c mice, ages 6 weeks
stomach	pooled from 200 male/female BALB/c mice, ages 8-12 weeks
uterus	pooled from BALB/c mice, ages 6 weeks

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