540081 0360356

Agilent Technologies

Lot 0360356

Catalog Number	540081
Product Name	MVP Total RNA, Human Adult Kidney, Diseased
Expiration Date	2024-09-30
Quantity	25 µg
Certified By	Dana Faver
Quality Controlled By	Matt Huffman
Shipping Conditions	Shipped on dry ice.
Storage Conditions	Store total RNA at -70°C. Multiple freeze/thaw cycles should be avoided.
Concentration	1.0 µg/µl
RNA Source Information	
Tissue	Single Donor
Sex	Male
Age	55 Years
Pathology	Papillary Renal Cell Carcinoma
Strain	Human
Gestation	N/A

No further RNA source information is available.

Description

The MVP Total RNA product line, designed for maximum value and purity, passes extensive quality control ensuring that the total RNA is intact, full-length, virtually DNA-free, and pure. The MVP total RNA was isolated using a modified guanidinium thiocyanate method.[1] Our RNA isolation method has been validated to co-purify both miRNA and mRNA and delivers RNA suitable for QRT-PCR. MVP total RNA is the ideal choice for many applications, including quantitative reverse transcriptase PCR (QRT-PCR), miRNA detection, Northern blot analysis, cDNA synthesis, RT-PCR, *in vitro* translation, ribonuclease protection assays, S1 nuclease analysis, and microarray target labeling. Human tissue was obtained using Institutional Review Board (IRB) protocols. Total RNA is provided in 0.1mM EDTA, pH 8.0. The small amount of EDTA does not interfere with downstream enzymatic manipulations.
Note: To avoid any possible RNase contamination always wear gloves when handling RNA.

Test Conditions

The quality of the RNA is assessed visually by observing distinct 28S and 18S ribosomal bands on a non-denaturing 1× MOPS gel. The purity of the RNA is assessed by spectrophotometry ($A_{260}/A_{280} \geq 1.8$). The RNA is shown to be free of contaminating RNases by incubation in a suitable buffer at 37°C. The RNA is further tested functionally by Northern analysis using a human β-actin probe and by RT-PCR.

Reference

1. Chomczynski, P., et al (1987) "Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction." *Anal. Biochem.* 162:156-159.

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