



Oncomatrix, Inc.

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Product Specification

Product:	Total RNA.
Catalog No.:	OM-[case #]-[cancer #]-[tissue type]- R05 .
Special Notes:	Oncomatrix uses proprietary technology to simultaneously isolate total RNA, genomic DNA, and protein from the same tissue homogenate. Thus isolated molecular derivatives are representative of the same piece of tissue and are the best possible material for comparative genomic, proteomic, and gene expression studies.
Product Description:	High-purity DNA-free total RNA from a wide variety of normal and cancerous tissues accompanied with patient clinical and pathological information. A stringent DNase treatment is performed to remove traces of DNA and to ensure that the RNA is ready for use in any downstream application.
Applications:	Northern analysis; cDNA synthesis; RT-PCR; In vitro translation; Ribonuclease protection assay; S1 nuclease analysis; Microarray gene expression analysis.
Storage:	Store at -70°C .
Concentration/Amount:	Supplied as 250 ng/ μl solution in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.5).
Shipment specifications:	Supplied in aliquots of 20 μl (5 μg) in 0.2 ml eppendorf tubes on dry ice.
Quality control:	The quality of the RNA is assessed visually by observing distinct 28S and 18S ribosomal bands on a non-denaturing gel. Purity of the RNA is assessed by spectrophotometry (absorbance $A_{260}/A_{280} = 1.8-2.0$). Purity of the RNA from DNA traces is assessed by the absence of a PCR product, with RNA preparation used as the PCR template. RNA is further shown to be free of contaminating RNases by incubation in a suitable buffer at 37°C for 1 hour followed by a gel-electrophoretic analysis of RNA integrity.

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