

## Product Information

<b>PRODUCT NAME:</b>	Kidney Tissue Total RNA
<b>CAT NUMBER:</b>	AU008-R
<b>DISEASE STATE:</b>	Normal
<b>QUANTITY:</b>	10 µg
<b>ABSORBANCE (A<sub>260</sub>/A<sub>280</sub>):</b>	1.8- 2.1
<b>STORAGE CONDITION:</b>	Short term at -20°C in a non-frost-free freezer; long term at -80°C.
<b>STORAGE SOLUTION:</b>	RNase-free water
<b>PRODUCT DESCRIPTION:</b>	<p>DV Biologics total RNA passes an extensive testing to ensure a high degree of purity and intactness. RNA is isolated using a modified guanidinium thiocyanate method.<sup>1</sup> Residual genomic DNA is removed with RNase-free DNase I. DV Biologics total RNA can be used in downstream applications such as RT-PCR and real-time RT-PCR, differential display, cDNA synthesis, Northern, dot, and slot blot analyses, primer extension, poly A+ RNA selection, RNase/S1 nuclease protection and microarrays.</p> <p>The original tissue is isolated from a normal donor.</p>
<b>HANDLING INSTRUCTIONS:</b>	RNA is degraded by exogenous ribonucleases that may be introduced by improper handling. Wear gloves when handling RNA. All reagents and consumables must be RNase-free. Avoid multiple freeze-thaw cycles. Thaw quickly with agitation and set on ice. Centrifuge the vial before opening.
<b>REFERENCES:</b>	<ol style="list-style-type: none"> <li>Chomczynski, P. &amp; Sacchi, N. (1987) Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction. <i>Anal. Biochem.</i> <b>162</b>:156–159.</li> </ol>
<b>QUALITY CONTROL:</b>	All processing is validated under strict protocols with IRB approval (see ethics statement <a href="http://www.dvbiologics.com">www.dvbiologics.com</a> ). Product is guaranteed to meet or exceed customer's expectations when handled according to instructions.
<b>TEST CONDITIONS:</b>	A sample of RNA is subjected to UV spectrophotometry, native agarose gel electrophoresis, and RT-PCR. The RNA lot is released when UV spectrophotometrical 260/280 ratio meets DV Biologics requirements for RNA; when gel electrophoresis shows distinct bands corresponding to the 28S and 18S RNA species, and when RT-PCR with GAPDH-specific primers yields a distinct product.
<b>OTHER INFORMATION:</b>	Human origin, single donor
<b>DEVELOPMENT PERIOD:</b>	Adult
<b>PRECAUTIONS AND DISCLAIMERS:</b>	<p><b>Warranty</b>          DV Biologics is committed to providing only superior quality research products. DV Biologics products are specifically intended for research purposes only, and are guaranteed to perform according to documented product specifications. Full warranty information for the products may be requested from our technical support or sales team at the number provided above.</p> <p><b>Product Use/Safety Statement</b>  <b>PRODUCT IS FOR RESEARCH USE ONLY.</b> Not approved for human or veterinary use, <i>in-vitro</i> diagnostics, or clinical procedures.</p> <p><b>WARNING: THE ACCOMPANYING PRODUCT CONTAINS HUMAN SOURCE MATERIAL, TREAT AS POTENTIALLY INFECTIOUS.</b> All donors are tested for the presence of HIV-1, HIV-2, Hepatitis B and Hepatitis C Virus.</p> <p><b>Material Safety and Data Sheet (MSDS)</b>          Available upon request.</p>