



## PRODUCT SPECIFICATION

catalog number:	<b>42024</b>
product description:	Armored RNA® Hepatitis G Virus  Contains sequences amplified by primer binding regions for Hepatitis G Virus (Schlueter, 1996) as highlighted below; the PCR product generated is 185 basepairs.
lot number:	[lot specific]
sequence:	Hepatitis G Virus Target Sequence: CCGGCACTGGGTGCAAGCCCCAGAAACCGACGCCTATTTTAAACAGACGTTATGAACCGGCGCTGACTCGGCGACCGGCCA AAAGGTGGTGGATGGGTGATGCCAGGGTTGGTAGGTCGTAATCCCGGTCATCTTGGTAGCCACTATAGGTGGGTCTTAAG GGTTAGTCAAGGTCCTCTGGCGCTTGTGGCGAGAAGCGCACGGTCCACAGGTGTTGGCCCTACCGGTGTAATAAGGGCC CGACGTCAGGCTCGTCGTTAAACCGAGCCATTACCCACTGGGCAAACGACGCCACGTACGGTCCACGTCGCCCTTCAAT GTCTCTTGACCAATAGGCTTAGCCGCGAGTTGACAAGGACCA
form:	Armored technology is a system for producing robust, ribonuclease-resistant RNA controls and standards by assembling specific RNA sequences and viral coat proteins into pseudo-viral particles.
storage buffer:	TSMIII (10 mM Tris, 100 mM NaCl, 1 mM MgCl <sub>2</sub> , 0.1% gelatin, 0.3% Microcide III, pH 7.0)
concentration:	see notes below
total volume:	0.25 mL (50 reactions)
notes/applications:	For each positive control, 5 µL of Armored RNA Hepatitis G Virus is required per RT-PCR reaction. There are two options for preparing the positive control.  1. Amplification and Detection Control Only: Incubate 5 µL of Armored RNA at 75°C for 3 minutes. Quick spin to collect volume. Use the 5 µL of lysed Armored RNA as template in RT-PCR. Perform gel detection per your lab's protocol.  2. RNA Extraction, Amplification, and Detection Control. Add Armored RNA to a negative specimen matrix (e.g., CSF or stool filtrate). Extract RNA per your lab's protocol. The volume of the resulting extracted RNA added to a RT-PCR reaction must be equal to "5 µL equivalents" of the Armored RNA solution originally spiked into your matrix.  For example: If RNA extracted from 200 µL of CSF is resuspended in 100 µL of diluent and 50 µL of the resuspended RNA is used in RT-PCR, then 10 µL of Armored RNA must be spiked into 190 µL of CSF to get a "5 µL equivalent".



- manufacture date: [lot specific]
- expiration date: [lot specific]
- dilution: Dilute with TSMIII storage buffer
- storage: 2°C to 8°C  
We recommend aliquoting into single use vials upon receipt; Armored RNA can withstand 5 freeze thaw cycles.
- country of origin: USA
- hazard/biohazard: There is no known hazard or biohazard associated with this product.

Armored RNA Quant<sup>®</sup> is a registered trademark of Asuragen and Cenetron Diagnostics.