



## PRODUCT SPECIFICATION

catalog number:	<b>42050</b>
product description:	Armored RNA® Enterovirus  Contains sequences amplified by primer binding regions for polio virus (type I Sabin), coxsackievirus A and coxsackievirus B (Schwab, et al., 1995 and Rotbart, 1990). The Schwab primer sites result in PCR product of 195 base pairs (Schwab, et al., 1995, bold italicized below). The Rotbart primer sites result in product of 153 base pairs (Rotbart, 1990, underlined below).
lot number:	[lot specific]
sequence:	Enterovirus Target Sequence: TGAGCTACATAAGAAT <b><i>CCTCCGGCCCTGAATGCGGCTAATCCCAACCTCGGGGCAGGTGGTCACAAACAGTGATTGGCC</i></b> TGTCGTAACGCGCAAGTCCGTGGCGGAACCGACTACTTTGGGTGCCGTGTTCTTTATTTTATTG <u>GGCTGCTTATGGTG</u> <u>ACAATCACAGATTGTTATCATAAAGCGAATTGGATTGGCCATCCGGT</u> GAMGTGAGATTCAATATCTATCTGTTTGCTGGATT CGCTCCATTGAGTGTG
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  $\mu$ L of CSF to get a "5  $\mu$ L 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.