



## Armored RNA<sup>®</sup> Hepatitis C Virus (Genotype 2b)

### Catalog #:

- 42010 Hepatitis C Virus (Genotype 2b)
- 42011 Amplicor<sup>®</sup> HCV Monitor<sup>®</sup> Qualified Positive Control

### Suggested Use

- Daily controls for RNA extraction, amplification, and detection
- Calibrating controls, proficiency samples, or new assay development

### Packaged HCV-2b Sequence from the 5'UTR region

The Roche Amplicor<sup>®</sup> HCV Monitor<sup>®</sup> primer binding regions (KY80/KY78) are underlined (see below). The PCR product generated is 244 basepairs (Young, 1993).

GACACTCCGC	CATGAATCAC	TCCCCTGTGA	GGAACTACTG	TCTTCACGCA
<u>GAAAGCGTCT</u>	<u>AGCCATGGCG</u>	<u>TTAGTATGAG</u>	TGTCGTACAG	CCTCCAGGCC
KY80				
CCCCCCTCCC	GGGAGAGCCA	TAGTGGTCTG	CGGAACCGGT	GAGTACACCG
GAATTCCCGG	AAAGACTGGG	TCCTTTCTTG	GATAAACCCA	CTCTATGTCC
GGTCATTTGG	GCGTGCCCCC	GCAAGACTGC	TAGCCGAGTA	GCGTTGGGTT
GCGAAAGGCC	<u>TTGTGGTACT</u>	<u>GCCTGATAGG</u>	<u>GTGCTTGCGA</u>	<u>GTACGTAGGG</u>
KY78				
AGGTCTCGTA	GACCGTGCCA	TCCATGAGCA	CCAAATCCTA	AACCTCAAAG
AAAAACCAAA	AGAAACACAA	ACCGCCGCC	ACAGGACGTT	AAGTTCCCGG
GTGGCGGTCA	GATC			

### References

1. Young, K, Resnick, R, Myers, T. Detection of hepatitis C virus RNA by a combined reverse transcription-polymerase chain reaction assay. *J. Clin. Microbiol.* **31**:882-886. 1993.
2. Pasloske BL, WalkerPeach CR, Obermoeller RD, Winkler M, DuBois DB. Armored RNA technology for production of ribonuclease-resistant viral RNA controls and standards. *J. Clin. Microbiol.* **36**: 3590-3594. 1998.
3. WalkerPeach CR, Winkler M, DuBois DB, Pasloske BL. Ribonuclease-resistant RNA controls (Armored RNA) for reverse transcription-PCR, branched DNA and genotyping assays for hepatitis C virus. *Clin. Chem.* **45**: 2079-2085. 1999.

Armored RNA<sup>®</sup> is a technology developed jointly by Ambion, Inc. and Cenetron Diagnostics, LLC (US patents #5,677,124, #5,919,625, #5,939,262, #6,214,982, and #6,399,307). Armored RNA<sup>®</sup> is a registered trademark of Ambion and Cenetron Diagnostics. Amplicor<sup>®</sup> and Monitor<sup>®</sup> are registered trademarks of Roche Molecular Systems. For Research Use Only. Not For Use in Diagnostic Procedures.