



Armored RNA Hepatitis C Virus (Genotype 2a/c)

Catalog #: 42008

Suggested Use

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

Packaged HCV-2a/c Sequence from the 5'UTR region

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

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GACCTCCGCC  ATGAACACTC  CCCTGTGAGG  AACTACTGTC  TTCACGCAGA
AAGCGTCTAG  CCATGGCGTT  AGTATGAGTG  TCGTACAGCC  TCCAGGCCCC
      KY80
CCCCTCCCGG  GAGAGCCATA  GTGGTCTGCG  GAACCGGTGA  GTACACCGGA
ATTGCCGGGA  AGACTGGGTC  CTTTCTTGGA  TAAACCCACT  CTATGCCCGG
CCATTTGGGC  GTGCCCCCGC  AAGACTGCTA  GCCGAGTAGC  GTTGGGTTGC
GAAAGGCCTT  GTGGTACTGC  CTGATAGGGT  GCTTGCGAGT  ACCCCGGGAG
      KY78
GTCTCGTAGA  CCGTGCACCA  TGAGCACAAA  TCCTAACCT  CAAAGAAAAA
CCAAAAGAAA  CACAAACCGT  CGCCCACAAG  ACGTTAAGTT  TCCGGGCGGC
GGCCAGATC
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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 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 is a registered trademark of Ambion and Cenetron Diagnostics. Amplicor® and Monitor® are registered trademarks of Roche Molecular Systems. For Research Use Only. Not For Use in Diagnostic Procedures.