



Armored RNA Hepatitis C Virus (Genotype 3a)

Catalog #: 42012

Suggested Use

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

Packaged HCV-3a 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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GACATCCACC   ATGGATCACT   CCCCTGTGAG   GAACTTCTGT   CTTCACGCAG
AAAGCGTCTA   GCCATGGCGT   TAGTACGAGT   GTCGTGCAGC   CTCCAGGACC
                KY80
CCCCCTCCCG   GGAGAGCCAT   AGTGGTCTGC   GGAACCGGTG   AGTACACCGG
AATCGCTGGG   GTGACCGGGT   CCTTTCTTGG   AGCAACCCGC   TCAATACCCA
GAAATTTGGG   CGTGCCCCCG   CGAGATCACT   AGCCGAGTAG   TGTGGGTTCG
CGAAAGGCCT   TGTGGTACTG   CCTGATAGGG   TGCTTGCGAG   TGCCCCGGGA
                KY78
GGTCTCGTAG   ACCGTGCAAC   ATGAGCACAC   TTCCTAAACC   TCAAAGAAAA
ACCAAAAGAA   ACACCATCCG   TCGCCCACAG   GACGTCAAGT   TCCCGGGTGG
CGGACAGATC
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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.