



Armored RNA[®] Hepatitis C Virus (Genotype 1a)

Catalog #: 42004

Suggested Use

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

Packaged HCV-1a 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).

GACCTCCACC	ATGAATCACT	CCCCTGTGAG	GAACTACTGT	CTTCACGCAG
<u>AAAGCGTCTA</u>	<u>GCCATGGCGT</u>	TAGTATGAGT	GTCGTGCAGC	CTCCAGGACC
KY80				
CCCCCTCCCG	GGAGAGCCAT	AGTGGTCTGC	GGAACCGGTG	AGTACACCGG
AATTGCCAGG	ACGACCGGGT	CCTTTCTTGG	ATCAACCCGC	TCAATGCCTG
GAGATTTGGG	CGTGCCCCCG	CAAGACTGCT	AGCCGAGTAG	TGTTGGGTCTG
CGAAAGGCCT	<u>TGTGGTACTG</u>	<u>CCTGATAGGG</u>	<u>TGCTTGCGAG</u>	TGCCCCGGGA
KY78				
GGTCTCGTAG	ACCGTGCACC	ATGAGCACGA	ATCCTAAACC	TCAAAGAAAA
ACCAAACGTA	ACACCAACCG	TCGCCACAG	GACGTCAAGT	TCCCGGGTGG
CGGTCAGATC				

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.