

Armored RNA® Quant Hepatitis C Virus (Genotype 2b)

Catalog #: 42101

Suggested Use

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

Packaged HCV-2b Sequence from the 5'UTR region				
GACACTCCGC	CATGAATCAC	TCCCCTGTGA	GGAACTACTG	<u>TCTTCACGCA</u>
<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			

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

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.