



## Armored RNA® Norwalk Virus (Genogroup II)

Catalog #: 42032

### Suggested Use

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

### Packaged Norwalk Virus (Genogroup II) Sequence from the RNA polymerase region

Commonly used amplification primer binding regions for Norwalk Virus Genogroup II are underlined (see below). The PCR product generated is 123 basepairs (Ando, 1995). Note: the published sequence for the lower primer contains two mismatches (bolded).

CCAGATAGTT	GCAGAAGACC	TTCTATCTCC	TAGTGTGATG	GATGTGGGTG
ACTTCAAAAT	ATCAATCAAT	GAGGGCCTTC	CCTCTGGTGT	GCCCTGCACC
TCTCAATGGA	<u>ATTCCATCGC</u>	<u>CCACTGGCTC</u>	CTCACTCTCT	GTGCACTCTC
	Ando, 1995			
TGAAGTTACA	AACCTGTCCC	CTGACATCAT	ACAGGCTAAT	TCCCTCTTTT
CCTTCTATGG	<u>TGATGATGAA</u>	<u>ATTGTCAGTA</u>	CAGATATAAA	CTTAAACCCA
	Ando, 1995			
GCCCGCCTCA	CTCAAATTCT	CAAGGAATAT	G	

### References

1. Ando T, Monroe SS, Gentsch JR, Jin Q, Lewis DC, Glass RI. Detection and differentiation of antigenically distinct small round-structured viruses (Norwalk-like viruses) by reverse transcription-PCR and Southern hybridization. *J. Clin. Microbiol.* **33**:64-71. 1995.
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.