



Armored RNA® Norwalk Virus (Genogroup I)

Catalog #: 42030

Suggested Use

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

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

Commonly used amplification primer binding regions for Norwalk Virus Genogroup I 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).

CGAGGTTGTG	GCCCAAGATT	TGCTAGCACC	ATCTGAGATG	GATGTAGGTG
ATTATGTCAT	CAGGGTCAAA	GAGGGGCTGC	CATCTGGATT	CCCATGTACT
TCCCAGGTGA	<u>ACAGCATAAA</u>	<u>TCACTGGATA</u>	ATTACTCTCT	GTGCACTGTC
	Ando, 1995			
TGAGGCCACT	GGTTTATCAC	CTGATGTGGT	GCAATCCATG	TCATATTTCT
CATTTTATGG	<u>TGATGATGAG</u>	<u>ATTGTGTCAA</u>	CTGACATAGA	TTTTGACCCA
	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.

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