



Armored RNA[®] Enterovirus

Catalog #: 42050

Suggested Use

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

Packaged Enterovirus Sequence from the 5'UTR region

Commonly used amplification primer binding regions for polio virus (type 1 Sabin), coxsackievirus A, coxsackievirus B are highlighted below. The PCR products generated are 195 basepairs (Schwab, 1995; bolded) and 153 basepairs (Rotbart, 1990; boxed), respectively.

		Rotbart, 1990			
TGAGCTACAT	AAGAAT	CCTC	CGGCCCTGA	ATGCGGCTAA	TCCCAACCTC
		Schwab, 1995			
GGGGCAGGTG	GTCACAAACC	AGTGATTGGC	CTGTCGTAAC	GCGCAAGTCC	
GTGGCGGAAC	CGACTACTTT	GGGTGTCCGT	GTTTCCTTTT	ATTTTATTG	T
		Rotbart, 1990			
		GGCTGCTTAT	GGTGACAAT	C	
		ACAGATTGTT	ATCATAAAGC	GAATTGGATT	
		GGCCATCCGG	TGAAAGTGAG	ATTCATTATC	TATCTGTTTG
		Schwab, 1995			CTGGATTTCGC
TCCATTGAGT	GTG				

References

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2. Rotbart HA. Enzymatic RNA amplification of the enteroviruses. *J Clin Microbiol.* **28**:438-442. 1990.
3. 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.
4. 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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