



Armored RNA® SARS (BNI-1)

Catalog #: 42090

Suggested Use

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

Packaged SARS (BNI-1) Sequence

Amplification primer binding regions for SARS (BNI-1) sequences (Drosten et al., 2003) are underlined (see below). The PCR product generated by the outer primer set is 195 basepairs and nested PCR generates a product of 110 basepairs.

<u>ATGAATTACC</u>	<u>AAGTCAATGG</u>	<u>TTACCCTAAT</u>	<u>ATGTTTATCA</u>	<u>CCCGCGAAGA</u>
	BNIoutS2			
<u>AGCTATTCGT</u>	<u>CACGTTTCGTG</u>	<u>CGTGGATTGG</u>	<u>CTTTGATGTA</u>	<u>GAGGGCTGTC</u>
	BNIinS			
<u>ATGCAACTAG</u>	<u>AGATGCTGTG</u>	<u>GGTACTAACC</u>	<u>TACCTCTCCA</u>	<u>GCTAGGATTT</u>
			BNIinAS	
<u>TCTACAGGTG</u>	<u>TTAACTTAGT</u>	<u>AGCTGTACCG</u>	<u>ACTGGTTATG</u>	
		BNIoutAs		

References

1. Drosten C, Günther S, Preiser W, Van der Werf S, Brodt HR, Becker S, Rabenau H, Panning M, Kolesnikova L, Fouchier R, Berger A, Burguière AM, Cinatl J, Eickmann M, Escriou N, Grywna K, Kramme S, Manuguerra JC, Müller S, Rickerts V, Stürmer M, Vieth S, Klenk HD, Osterhaus A, Schmitz H, and Doerr HW. Identification of a Novel Coronavirus in Patients with Severe Acute Respiratory Syndrome. *N Engl J Med.* **348**:1967-1976. 2003.
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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