Armored RNA®
Dengue Virus (Types 1)

Catalog #: 42044

Suggested Use

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

Packaged Dengue Virus (Type 1) Sequence from the 3′ noncoding region

Commonly used universal amplification primer binding regions for Dengue Virus (Types 1, 3, 4) are underlined (see below). The PCR product generated is 229 basepairs (Sudiro, 1997).

AGTCAGGCCG AAAGCCACGG TTTGAGCAAA CCGTGCTGCC TGTAGCTTCA

Sudiro, 1997

TCGTGGGGAT GTAAAAACCT GGGAGGCTGC AACCCATGGA AGCTGTACGC

ATGGGGTAGC AGACTAGTGG TTAGAGGAGA CCCCTCCCAA AACATAACGC

AGCAGCGGGG CCCAACACCA GGGGAAGCTG TATCCTGGTG GTAAGGACTA

GAGGTTAGAG GAGACCCCCG GCATAACAAT AAACAGCATA TTGACGCTGG

Sudiro, 1997

GAGAGACCAG AGATCCTGCT GTCTCTACAG CATCATTCCA GGCACAGAAC

GCCAGAAAAT G

References

1. Sudiro TM, Ishiko H, Green S, Vaughn DW, Nisalak A, Kalayanarooj S, Rothman AL, Raengsakulrach B, Janus J, Kurane I, Ennis F. Rapid diagnosis of Dengue viremia by reverse transcriptase-polymerase chain reaction using 3′noncoding region universal primers. *Am. J. Trop. Med. Hyg.* **56**:424-429. 1997.

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.