



Armored RNA® Human Immunodeficiency Virus (Subtype B)

Catalog #:

42000	Human Immunodeficiency Virus (Subtype B)
42001	Amplicor® HIV-1 Monitor® Qualified Low Positive Control
42002	Amplicor® HIV-1 Monitor® Qualified High Positive Control

Suggested Use

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

Packaged HIV-B Sequence from the gag region

Roche Amplicor® HIV-1 Monitor® primer binding regions (SK462 and SK431) are underlined (see below). The PCR product generated is 142 basepairs (Mulder, 1994).

AACACAGTGG	GGGGACATCA	AGCAGCCATG	CAAATGTTAA	AAGAGACCAT
SK462				
CAATGAGGAA	GCTGCAGAAT	GGGATAGATT	GCATCCAGTC	CATGGAGGGC
CTATTGCACC	AGGCCAGATG	AGAGAACCAA	GGGGAAGTGA	CATAGCAGGA
SK431				
ACTACTAGTA	CCCTTCAGGA	AC		

References

1. Mulder J, McKinney N, Christopherson C, Sninsky J, Greenfield L, Kwok S. Rapid and simple PCR assay for quantification of human immunodeficiency virus type 1 RNA in plasma: application to acute retroviral infection. *J. Clin. Microbiol.* **32**: 292-300. 1994.
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.