



# Armored RNA<sup>®</sup> Quant Human Immunodeficiency Virus (Subtype B)

Catalog #: 42103

## Suggested Use

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

## Packaged HIV-B Sequence from the gag region

CAAATGGTAC	ATCAGGCCAT	ATCACCTAGA	ACTTTAAATG	CATGGGTAA
AAGTAGTAGA	AGAGAAGGCT	TTCAGCCCAG	AAGTAATACC	CATGTTTTCA
GCATTATCAG	AAGGAGCCAC	CCCACAAGAT	TTAAACACCA	TGCTAAACAC
AGTGGGGGGA	CATCAAGCAG	CCATGCAAAT	GTTAAAAGAG	ACCATCAATG
SK462				
AGGAAGCTGC	AGAATGGGAT	AGAGTACATC	CAGTGCATGC	AGGGCCTATT
GCACCAGGCC	AGATGAGAGA	ACCAAGGGGA	AGTGACATAG	CAGGAACTAC
SK431				
TAGTACCCTT	CAGGAACAAA	TAGGATGGAT	GACAAATAAT	CCACCTATCC
CAGTAGGAGA	AATTTATAAA	AGATGGATAA	TCCTGGGATT	AAATAAAATA
GTAAGAATGT	ATAGCCCTAC	CAGCATTCTG	GACATAAGAC	AAGGACCAA
GGAACCC				

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

## 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<sup>®</sup> 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<sup>®</sup> is a registered trademark of Ambion and Cenetron Diagnostics. Amplicor<sup>®</sup> and Monitor<sup>®</sup> are registered trademarks of Roche Molecular Systems. For Research Use Only. Not For Use in Diagnostic Procedures.