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DATA SHEET

Reagent:	☥ AMΔHIV
Catalog Number:	1913
Lot Number:	1 03/93
Provided:	1 ml cell-free virus
Original Source:	A 267 bp gag fragment (sequence supplied by Dr. Gregory Milman, DAIDS) was cloned into the synthetic HIV-1_{MN} *Sal*I-*Hin*dIII sites of the retroviral vector pLNL6. The viral particles were collected from infected PA317 cells transfected with the recombinant vector.
Host:	PA317 packaging cells.
Titer:	2.0×10^7 copies/ml (Roche) 1.4×10^7 copies/ml (NASBA)
Sterility:	Negative for bacteria and mycoplasma.
Description:	A 267 bp synthetic HIV-1MN gag sequence designed by Dr. Gregory Milman, DAIDS, NIAID, was cloned into the SalI-HindIII site of the retroviral vector pLN6 by Drs. Janice Clements and Paula Pitha-Rowe (The Johns Hopkins University).
Special Characteristics:	This virus serves as an internal standard for detection of HIV RNA by RT-PCR. The gag fragment contains small deletions to distinguish it from wild type HIV-1 (see attached). SK38/SK39 or SK145/SK101 primers can be used for RT PCR. The amplified product can be distinguished from full-length HIV-1 *gag* RNA by liquid hybridizaion followed by gel electorphoresis. 1 µl of the virus is sufficient for PCR analysis and quantitation. Gag sequence
Recommended Storage:	Liquid nitrogen.
Contributor:	Division of AIDS, NIAID, NIH, and Dr. Paula Pitha-Rowe.

References:

Miller AD, Buttimore C. Redesign of retrovirus packaging cell lines to avoid recombination leading to helper virus production. *Mol Cell Biol* **6**:2895-2902, 1986.
Bender MA, Palmer TD, Gelinas RE, Miller AD. Evidence that the packaging signal of Moloney murine leukemia virus extends into the *gag* region. *J Virol* **61**:1639-1646, 1987.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, DAIDS, NIAID: AMΔHIV from Dr. Paula Pitha-Rowe." Also include the references cited above in any publications.

Last Updated:

February 12, 2015