



NIH AIDS Reagent Program

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DATA SHEET

Reagent: ☒ HIV-1 N119 Virus

Catalog Number: 1392

Lot Number: 01018

Release Category: A

Provided: 1 ml cell free virus.

Original Source: CEM cells infected with AZT-sensitive HIV-1 patient isolate A018A (1986 San Diego isolate).

Sterility: Negative for mycoplasma, bacteria and fungi.

Description: A nevirapine-resistant CXCR4-utilizing virus

Special Characteristics: Resistance was selected for *in vitro* by culturing the AZT-sensitive A018A isolate (Catalog #629) in CEM cells in the presence of nevirapine. The resultant virus is resistant to nevirapine and related non-nucleoside RT inhibitors because of a single nucleotide RT mutation Y181C. The virus causes syncytium formation in infected CEM cells.
Host of Choice: CEM cells.
Titer: $10^{6.5}$ TCID₅₀/ml; p24: 0.72 µg/ml.

Recommended Storage: Liquid nitrogen.

Contributor: Dr. Douglas Richman.

References: Richman D, Shih C-K, Lowy I, Rose J, Prodanovic, P, Goff S, Griffin J. Human immunodeficiency virus type 1 mutants resistant to nonnucleoside inhibitors of reverse transcriptase arise in tissue culture. *Proc Natl Acad Sci USA* **88**:11241-11245, 1991.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 N119 Virus from Dr. Douglas Richman." Also include the reference cited above in any publications.

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