



NIH AIDS Reagent Program

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DATA SHEET

Reagent: ☒ HIV-1 N119 Virus

Catalog Number: 1392

Lot Number: 120083

Release Category: A

Provided: 1 mL of cell-free virus
TCID50= 1.35×10^7 TCID50/mL
p24= 1.2 µg/mL

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

Host Strain: CEM cells

Sterility: Negative for mycoplasma, bacteria and fungi.

Description: A group M, subtype B, HIV-1 nevirapine-resistant virus isolate which utilizes CXCR4 and CCR5.

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.

Recommended Storage: Keep the reagent in liquid nitrogen.

Contributor: Dr. Douglas Richman

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.

References: Richman, D., Shih, C. K., Lowy, I., Rose, J., Prodanovich, P., Goff, S., & Griffin, J. (1991). Human immunodeficiency virus type 1 mutants resistant to nonnucleoside inhibitors of reverse transcriptase arise in tissue culture. Proc Natl Acad Sci U S A, 88(24), 11241-11245. [PUBMED](#)

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 (cat# 1392)." Also include the reference cited above in any publications.

Last Updated: November 12, 2018

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