



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** ☒ HIV-1 NP1251 (98TH\_NP1251) Virus

**Catalog Number:** 11271

**Lot Number:** 098355

**Release Category:** C

**Provided:** 1 vial cell-free virus,  $1.12 \times 10^4$  TCID<sub>50</sub>/mL, p24= 55 ng/mL.

**Host Strain:** Human PBMCs.

**Sterility:** Negative for mycoplasma, bacteria and fungi.

**Description:** The International Panel of HIV-1 virus isolates representing six major globally prevalent strains of genetically and biologically characterized HIV-1 isolates (Brown, BK et al, *J Virology* **79**(10): 6089, 2005) consists of ten viruses each from chronically infected individuals of clades A, B, C, D and circulating recombinant forms, CRF01\_AE and CRF02\_AG. The panel consists of 49 nonsyncytium-inducing virus isolates that use CCR5 as a major coreceptor and 11 syncytium-inducing isolates that use only CXCR4 or both co-receptors, and contains both neutralization-sensitive and resistant isolates. This collection provides an important resource for standardization of immunogenicity assessment in HIV-1 vaccine trials (see Table 1 for genetic and biological characterization of the 60 international HIV-1 isolates).

**This isolate is available individually, or as part of the HIV-1 60 International Isolate Panel (Cat #11412).**

[Table I. HIV-1 International Panel of HIV-1 Isolates.](#)

**Special Characteristics:** Clade/CRF: CRF01\_AE  
Syncytium Induction: NSI  
Coreceptor: R5

GenBank Accession No. [AY713422](#)

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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.

**Recommended Storage:** Liquid nitrogen

**Contributor:** Dr. Victoria Polonis

**References:** Brown, B.K., Darden, J.M., Tovanabutra, S., Oblander, T., Frost, J., Sanders-Buell, E., de Sousa, M.S., Birx, D.L., McCutchan, F.E. and Polonis, V.R. Biologic and Genetic Characterization of a Panel of 60 Human Immunodeficiency Virus Type 1 Isolates, Representing Clades A, B, C, D, CRF01\_AE, and CRF02\_AG, for the Development and Assessment of Candidate Vaccines. *J. Virology* **79**(10): 6089-6101, 2005. [[Abstract](#)] [[Full Text](#)] [[PDF](#)]

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 NP1251(Cat# 11271) from Dr. Victoria Polonis." Also include the reference cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of Release Category C Reagents, must contact Dr. Victoria R. Polonis, Walter Reed Army Institute of Research, 13 Taft Court, Rockville, MD 20850, Tel: 301-251-8308, Fax: 301-762-4177, email: vpolonis@hivresearch.org before reagent(s) can be released.**

**Last Updated:** January 22, 2018

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