



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** ☒ HIV-1 NKU3006

**Catalog Number:** 11267

**Lot Number:** 130368

**Release Category:** C

**Provided:** 1 vial cell-free virus,  $7.24 \times 10^3$  TCID<sub>50</sub>/mL, p24= 60.76 ng/mL.

**Host Strain:** Human PBMCs

**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: D  
Syncytium Induction: NSI  
Coreceptor: R5

GenBank Accession No. [AF475090](#)

**Recommended Storage:** Liquid nitrogen

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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.

**Contributor:** Dr. Victoria Polonis

**References:** Dowling, W. E., B. Kim, C. J. Mason, K. M. Wasunna, U. Alam, L. Elson, D. L. Birx, M. L. Robb, F. E. McCutchan and J. K. Carr. (2002). Forty-one near full-length HIV-1 sequences from Kenya reveal an epidemic of subtype A and A-containing recombinants. *AIDS*, 16(13), 1809-20. [PUBMED](#)

Brown, B. K., J. M. Darden, S. Tovanabutra, T. Oblander, J. Frost, E. Sanders-Buell, M. S. de Souza, D. L. Birx, F. E. McCutchan and V. R. Polonis. (2005). 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 Virol*, 79(10), 6089-101. doi:10.1128/JVI.79.10.6089-6101.2005 [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 NKU3006(Cat# 11267) from Dr. Victoria Polonis." Also include the reference cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact the Office of Technology Transfer at the following email address: [techtransfer@hjf.org](mailto:techtransfer@hjf.org), before the reagent can be released.**

**Last Updated:** November 17, 2020

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