



NIH AIDS Reagent Program

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DATA SHEET

Reagent: ☒ HIV-1 KNH1088

Catalog Number: 11244

Lot Number: 130363

Release Category: C

Provided: 1 vial cell-free virus. TCID₅₀ = 4.56x 10³. HIV-1 p24 = 1.4 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: A
Syncytium Induction: NSI
Coreceptor: R5

Alternate Name: 99KE_KNH1088

GenBank Accession No. AF457062

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.

GenBank Accession No. [AF45/U63](#)

Recommended Storage:

Liquid nitrogen

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 KNH1088 (Cat# 11244) 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@hiv.org, before the reagent can be released.

Last Updated:

November 12, 2018

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