



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent: ☒ HIV-1 CAM1475MV (01CM_1475MV) Virus

Catalog Number: 11283

Lot Number: 070010

Release Category: C

Provided: 1 vial cell-free virus. TCID₅₀ = 3.16 x 10². HIV-1 p24 = 68 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: CRF02_AG
Syncytium Induction: NSI
Coreceptor: R5

GenBank Accession No. [AY371138](#)

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 CAM1475MV(Cat# 11283) 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: March 12, 2018

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.