



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 91/UG/273 Virus

Catalog Number: 7683

Lot Number: 051099

Release Category: D

Provided: 1 mL cell-free virus
p24 = 27.6 ng/mL
1.45 x 10⁸ virions/mL.

Host Strain: Human PBMC

Sterility: Negative for mycoplasma, bacteria and fungi

Description: A group M, subtype A, primary HIV-1 isolate

Special Characteristics: A large panel of well-characterized, cultured HIV-1 standard isolates representing subtypes A through G was developed in order to evaluate the performance of quantitative viral load platforms with different HIV-1 subtypes. The virus particle concentration of each cultured viral stock was standardized by electron microscopic virus particle counting.

Recommended Storage: Liquid nitrogen

Contributor: Dr. Nelson Michael

References: Jagodzinski LL, Wiggins DL, McManis JL, Emery S, Overbaugh J, Robb M, Bodrug S, Michael NL. Use of calibrated viral load standards for group M subtypes of human immunodeficiency virus type 1 to assess the performance of viral RNA quantitation tests. *J Clin Microbiol* **38**:1247-1249, 2000.

Michael NL, Herman SA, Kwok S, Dreyer K, Wang J, Christopherson C, Spadoro JP, Young KK, Polonis V, McCutchan FE, Carr J, Mascola JR, Jagodzinski LL, Robb ML. Development of

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.

calibrated viral load standards for group M subtypes of human immunodeficiency virus type 1 and performance of an improved AMPLICOR HIV-1 MONITOR test with isolates of diverse subtypes. *J Clin Microbiol* **37**:2557-2563, 1999.

Vahey M, Nau ME, Barrick S, Cooley JD, Sawyer R, Sleeker AA, Vickerman P, Bloor S, Larder B, Michael NL, Wegner SA. Performance of the Affymetrix GeneChip HIV PRT 440 platform for antiretroviral drug resistance genotyping of human immunodeficiency virus type 1 clades and viral isolates with length polymorphisms. *J Clin Microbiol* **37**:2533-2537, 1999.

NOTE:

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the U.S. Army Medical Research and Materiel Command (USAMRMC) Office of Research and Technology Applications (ORTA), Email: USArmy.Detrick.MEDCOM-USAMRMC.List.ORTA@mail.mil, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 91/UG/273 Virus from Dr. Nelson Michael." Also include the references cited above in any publications.

Last Updated:

August 03, 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.