

DATA SHEET

For research use only. Not for use in humans.

Reagent:	Human Immunodeficiency Virus Type 1, 91/US/1 (GS 004)
Catalog Number:	ARP-7686
Lot Number:	190475
Provided:	Each vial of ARP-7686 contains approximately 0.8 mL of cell-free virus. The endpoint TCID ₅₀ titer is 7.36×10^5 TCID ₅₀ per mL, p24 concentration is 342 ng/mL, and radioactive reverse transcriptase activity is 9709 cpm/15µL.
Host:	Peripheral blood mononuclear cells (PBMC)
Propagation:	A protocol for the Propagation of Primary HIV-1 Isolates in PBMC is provided on the BEI Resources webpage.
Propagation Medium:	The recommended propagation medium is RPMI supplemented with 10% fetal bovine serum and 20 IU/mL interleukin-2 (IL-2).
Sterility:	Tests for bacteria, fungi, and mycoplasma were negative.
Description:	HIV-1, 91/US/1 (GS 004) is a subtype B, R5 virus. It is available individually or as part of the Panel of International HIV-1 Isolates (BEI Resources Catalog No. HRP-11412).
Special Characteristics:	The complete genome of HIV-1, 91/US/1 (GS 004) has been sequenced (GenBank: AY173952).
Recommended Storage:	Keep at -100°C or colder, preferably in the vapor phase of a liquid nitrogen freezer.
Contributors:	Dr. Nelson Michael
References:	Jagodzynski, L., et al. "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." <i>J. Clin. Microbiol.</i> 38 (2000): 1247-1249. PubMed: 10699033. Michael, N., et al. "Development of 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." <i>J. Clin. Microbiol.</i> 37 (1999): 2557-2563. PubMed: 10405401. Vahey, M., et al. "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." <i>J. Clin. Microbiol.</i> 37 (1999): 2533-2537. PubMed: 10405396.
Citation:	Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Human Immunodeficiency Virus Type 1, 91/US/1 (GS 004), ARP-7686."
Biosafety Level: 2	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.

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Note:

For commercial use, please contact: Dr. Nelson L. Michael, Director, Center for Infectious Diseases Research, Walter Reed Army Institute of Research. Email: nelson.l.michael2.civ@health.mil, Tel: 301-792-3430, <http://www.hivresearch.org>.

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