

DATA SHEET

For research use only. Not for use in humans.

Reagent:	Human Immunodeficiency Virus Type 1, Isolate 93/RW/024
Catalog Number:	ARP-2200
Lot Number:	190113
Provided:	Each vial of ARP-2200 contains approximately 1 mL of cell-free virus. The titer in peripheral blood mononuclear cells (PBMCs) was 1.46×10^5 TCID ₅₀ /mL, p24 concentration was 152.5 ng/mL and radioactive reverse transcriptase activity was 17,127 cpm/15 μ L.
Original Source:	Human Immunodeficiency Virus Type 1 (HIV-1), isolate 93/RW/024 was isolated from a seropositive individual in Rwanda.
Host Strain:	Human peripheral blood mononuclear cells PBMCs
Propagation:	The protocol for propagation of primary HIV-1 isolates is provided on the BEI Resources webpage.
Description:	ARP-2200 is a syncytium-inducing Env subtype A isolate. It can infect both CXCR4- and CCR5-expressing GHOST cells, which suggests that this isolate is a dualtropic (X4R5) virus.
Special Characteristics:	ARP-2200 subtyping was determined by sequencing a short sequence of the <i>gag</i> and/or <i>env</i> genes, or by Heteroduplex Mobility Assay (HMA); thus, intersubtype recombinants may not have been detected in some cases.
Sterility:	Tests for bacteria, fungi and mycoplasma were negative.
Recommended Storage:	Keep at -100°C or colder, preferably in the vapor phase of a liquid nitrogen freezer.
Contributor:	The UNAIDS Network for HIV Isolation and Characterization, and the Division of AIDS (DAIDS), National Institute of Allergy and Infectious Diseases (NIAID)
References:	<p>Brown, B. K., et al. "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." <i>J. Virol.</i> 79 (2005): 6089-6101. PubMed: 15857994.</p> <p>Gao, F., et al. "Genetic Variation of HIV Type 1 in Four World Health Organization-Sponsored Vaccine Evaluation Sites: Generation of Functional Envelope (Glycoprotein 160) Clones Representative of Sequence Subtypes A, B, C, and E. WHO Network for HIV Isolation and Characterization." <i>AIDS Res. Hum. Retroviruses</i> 10 (1994): 1359-1368. PubMed: 7888189.</p>
Citation:	Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Human Immunodeficiency Virus Type 1, Isolate 93/RW/024, ARP-2200."
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. <i>Biosafety in Microbiological and Biomedical Laboratories (BMBL)</i> . Current Edition. Washington, DC: U.S. Government Printing Office.
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