

DATA SHEET

For research use only. Not for use in humans.

Reagent:	Human Immunodeficiency Virus Type 1 (HIV-1) A012 (AZT Resistant)
Catalog Number:	ARP-964
Lot Number:	70084320
Provided:	ARP-964 is a set of two viruses, ARP-14108 and ARP-14109, isolated from the same patient at two different points in time. ARP-14108 is sensitive to azidothymidine (AZT), while ARP-14109 shows resistance to the drug. ARP-964 provides two vials, one of ARP-14108 and one of ARP-14109, each vial containing approximately 1.0 mL of cell-free virus.
Original Source:	Human Immunodeficiency Virus Type 1 (HIV-1) A012 (AZT Resistant) was isolated from a patient with AIDS-Related Complex (ARC).
Host Strain:	MT-2 cells or human peripheral blood mononuclear cells (PBMCs). The current lots were produced in MT-2 cells. Please refer to the BEI Resources webpage for protocols.
Description:	ARP-964 contains CCR5-utilizing (R5) and CXCR4-utilizing (X4) variants.
Special Characteristics:	At day 7 harvest, the endpoint TCID ₅₀ titer for the AZT-sensitive isolate, ARP-14108, was 10 ^{4.17} per mL. At day 7 harvest, the endpoint TCID ₅₀ titer for the AZT-resistant isolate, ARP-14109, was 10 ^{3.83} per mL.
Sterility:	Tests for bacteria, fungi and mycoplasma were negative.
Recommended Storage:	-100°C or colder, preferably in the vapor phase of a liquid nitrogen freezer
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References:	Larder, B. A., G. Darby and D. D. Richman. "HIV with Reduced Sensitivity to Zidovudine (AZT) Isolated During Prolonged Therapy." Science 243 (1989): 1731-1734. PubMed: 2467383 .
Citation:	Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Human Immunodeficiency Virus Type 1 (HIV-1) A012 (AZT Resistant), ARP-964."
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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