



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:	ARP-14108 lot B_G762-3 (Sensitive) 59-147 ARP-14109 lot D_G691-6 (Resistant) 59-148
Release Category:	A
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 additional information section of this 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
Contributor:	Dr. Douglas Richman
References:	Larder, B. A., G. Darby and D. D. Richman. "HIV with Reduced Sensitivity to Zidovudine (AZT) Isolated During Prolonged Therapy." <i>Science</i> 243 (1989): 1731-1734. PubMed: 2467383 .
Citation:	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH Human Immunodeficiency Virus Type 1 (HIV-1) A012 (AZT Resistant), ARP-964, contributed by Dr. Douglas Richman."
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</i> , 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm .
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