



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Panel of Human Immunodeficiency Virus Type 1 (HIV-1) Env Clones, Subtypes A, A/D, A2/D, C and D
Catalog Number:	ARP-11947
Lot Number:	180436
Release Category:	C
Provided:	ARP-11947 is a set of 35 vials containing approximately 5 micrograms per vial of dried, purified DNA stabilized in DNASTABLE®Plus. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents on the NIH HIV Reagent Program webpage.
Description:	<p>ARP-11947 is a panel of 35 human immunodeficiency virus type 1 (HIV-1) subtypes A, A/D, A2/D, C and D Env clones.</p> <p>Each construct is approximately 8500 base pairs including the insert and contains the genes for ampicillin and neomycin resistance. These clones express Env isolated from HIV-1-infected women in Mombasa, Kenya. These women were part of a prospective study of high-risk individuals who were regularly monitored for the presence of HIV-1 antibody. The Env region was amplified from peripheral blood mononuclear cells (PBMCs) 14 to 391 days post-infection. These variants are useful for screening neutralizing antibody responses, entry inhibitors and/or candidate microbicides.</p>
Recommended Storage:	Room temperature in a dry storage cabinet or in a moisture barrier bag
Contributor:	Dr. Julie Overbaugh
References:	<p>Blish, C. A., et al. "Cross-Subtype Neutralization Sensitivity Despite Monoclonal Antibody Resistance Among Early Subtype A, C, and D Envelope Variants of Human Immunodeficiency Virus Type 1." <i>J Virol</i>. 83 (2009): 7783-7788. PubMed: 19474105.</p> <p>Long, E. M., et al. "HIV Type 1 Variants Transmitted to Women in Kenya Require the CCR5 Coreceptor for Entry, Regardless of the Genetic Complexity of the Infecting Virus." <i>AIDS Res Hum Retroviruses</i> 18 (2002): 567-576. PubMed: 12036486.</p>
Citation:	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: Panel of Human Immunodeficiency Virus Type 1 (HIV-1) Env Clones, Subtypes A, A/D, A2/D, C and D, ARP-11947, contributed by Dr. Julie Overbaugh."
Biosafety Level: 1	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 .
Disclaimers:	<p>You are authorized to use this product for research use only. It is not intended for human use.</p> <p>Use of this product is subject to the terms and conditions of the NIH HIV Reagent Program Material Transfer Agreement (MTA). The MTA is available on our Web site at www.hivreagentprogram.org.</p>



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