



Product Information Sheet for HRP-12670

Panel of Global Human Immunodeficiency Virus Type 1 (HIV-1) Env Clones

Catalog No. HRP-12670

Lot No. 70058577

For research use only. Not for use in humans.

Contributor:

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Please refer to Table I for contributors of individual Env molecular clones.

Manufacturer:

NIH HIV Reagent Program

Product Description:

HRP-12670 contains a panel of 12 human immunodeficiency virus type 1 (HIV-1) Env molecular clones. These reference strains were chosen because they are representative of the global HIV-1 epidemic. This panel of HIV-1 Env molecular clones is designed to assess neutralization responses. A collection of 219 viruses were evaluated in all in determining that these 12 viruses represent the widest neutralization profile encompassing all major genetic subtypes and circulating recombinant forms of HIV-1. The HIV-1 env clones were constructed using pcDNA3.1D/V5-His-TOPO expression vector and contain the ampicillin resistance gene.¹ Information on each Env molecular clone in this panel can be found in Table II. These molecular clones can also be ordered individually.

Note: HRP-12670 can be expanded in STBL2 or other competent cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C.

Material Provided:

HRP-12670 is a set of 12 vials, each containing approximately 5 µg/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.

Packaging/Storage:

HRP-12670 was packaged aseptically in screw-capped plastic cryovials. The product should be stored at room temperature in a dry storage cabinet or in a moisture barrier bag.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through the NIH HIV Reagent Program, NIAID, NIH: Panel of Global Human Immunodeficiency Virus Type 1 (HIV-1) Env Clones, HRP-12670, contributed by Dr. David Montefiori.”

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. [Biosafety in Microbiological and Biomedical Laboratories \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

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.

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NIH HIV Reagent Program

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specify the name of the reagent and a description of the intended use, before the reagent can be released.

References:

1. deCamp, A., et al. "Global Panel of HIV-1 Env Reference Strains for Standardized Assessments of Vaccine-Elicited Neutralizing Antibodies." *J. Virol.* 88 (2014): 2489-2507. PubMed: [24352443](https://pubmed.ncbi.nlm.nih.gov/24352443/).

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