



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Panel of Global HIV-1 Env Clones
<b>Catalog Number:</b>	12670
<b>Lot Number:</b>	160313
<b>Release Category:</b>	C
<b>Provided:</b>	12 vials per set. Each vial contains 5 µg of plasmid DNA at 200 µg/mL in water (except cat# 11023 contains 5 µg of plasmid DNA at 1 mg/mL in TE buffer). See attached file for a list of included clones.
<b>Cloning Vector:</b>	pcDNA3.1/V5-His-TOPO Ampicillin resistant
<b>GenBank:</b>	See attached file below
<b>Host Strain:</b>	Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.
<b>Description:</b>	A panel of 12 HIV-1 <i>Env</i> molecular clones. These reference strains were chosen because they are representative of the global HIV-1 epidemic.
<b>Special Characteristics:</b>	This panel of HIV-1 <i>Env</i> molecular clones are designed to assess neutralization responses.  219 viruses were evaluated and it was determined that these 12 viruses represent the widest neutralization profile encompassing all major genetic subtypes and circulating recombinant forms of HIV-1.  <a href="#">Table 1. Panel of Global HIV-1 Env Clones</a>
<b>Recommended Storage:</b>	Keep the reagent at -20°C or lower. Avoid freeze-thaw cycles as reagent degradation may result.

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

**Contributor:** Multiple. Please see the Table 1 for more information.

**References:** deCamp, A., Hraber, P., Bailer, R. T., Seaman, M. S., Ochsenbauer, C., Kappes, J., . . . Montefiori, D. C. (2014). Global panel of HIV-1 Env reference strains for standardized assessments of vaccine-elicited neutralizing antibodies. *J Virol*, 88(5), 2489-2507. doi:10.1128/JVI.02853-13 [PUBMED](#)

**NOTE:** **Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Panel of Global HIV-1 Env Clones from Dr. David Montefiori" Also include the reference cited above in any publications.**

**Last Updated:** March 03, 2020

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