



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Panel of HIV-1 Subtype C Env Clones
Catalog Number:	11326
Lot Number:	180149
Release Category:	C
Provided:	12 vials per set. Each vial contains 5 µg of dried purified DNA stabilized in DNASTable <i>PLUS</i> . See attached file for a list of included clones.
Cloning Vector:	See table below
Cloning Site:	TOPO TA cloned
GenBank:	See table below
Host Strain:	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.
Description:	A panel of 12 HIV-1 subtype C Env expression vectors. This subtype C reference panel was designed for use as Env-pseudotyped viruses to facilitate standardized Tier 2/3 assessments of HIV-1-specific neutralizing antibodies.
Special Characteristics:	<p>Click here for information about the clones in this panel</p> <p>When co-transfected with an env-deleted backbone plasmid in 293T cells, these plasmids produce Env-pseudotyped viruses that are capable of a single round of infection in TZM-bl cells (cat# 8129). The Env-pseudotyped viruses exhibit a neutralization phenotype that is typical of most primary HIV-1 isolates. Notably, no clone is unusually sensitive or resistant to neutralization. The gp160 genes were cloned from sexually acquired, acute/early infections and comprise a wide spectrum of genetic, antigenic and geographic diversity within subtype C (Li M, et al.). These clones use CCR5 as co-receptor.</p> <p>Click here to obtain the additional form required for this reagent.</p>

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.

THIS panel is also offered without cat# 11308, which would negate the requirement of the additional form. This is lot 160065. Please note in your abstract if you would prefer lot 160065.

This reagent is currently being provided as dried purified DNA stabilized in DNastable Plus. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. [Dried DNA Notice](#)

Recommended Storage: Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor: See table in Special Characteristics

References: M. Li, J. F. Salazar-Gonzalez, C. A. Derdeyn, L. Morris, C. Williamson, J. E. Robinson, J. M. Decker, Y. Li, M. G. Salazar, V. R. Polonis, K. Mlisana, S. A. Karim, K. Hong, K. M. Greene, M. Bilska, J. Zhou, S. Allen, E. Chomba, J. Mulenga, C. Vwalika, F. Gao, M. Zhang, B. T. Korber, E. Hunter, B. H. Hahn and D. C. Montefiori. (2006). Genetic and neutralization properties of subtype C human immunodeficiency virus type 1 molecular env clones from acute and early heterosexually acquired infections in Southern Africa. *J Virol*, 80(23), 11776-90. doi:10.1128/JVI.01730-06 [PUBMED](#)

C. A. Derdeyn, J. M. Decker, F. Bibollet-Ruche, J. L. Mokili, M. Muldoon, S. A. Denham, M. L. Heil, F. Kasolo, R. Musonda, B. H. Hahn, G. M. Shaw, B. T. Korber, S. Allen and E. Hunter. (2004). Envelope-constrained neutralization-sensitive HIV-1 after heterosexual transmission. *Science*, 303(5666), 2019-22. doi:10.1126/science.1093137 [PUBMED](#)

C. Williamson, L. Morris, M. F. Maughan, L. H. Ping, S. A. Dryga, R. Thomas, E. A. Reap, T. Cilliers, J. van Harmelen, A. Pascual, G. Ramjee, G. Gray, R. Johnston, S. A. Karim and R. Swanstrom. (2003). Characterization and selection of HIV-1 subtype C isolates for use in vaccine development. *AIDS Res Hum Retroviruses*, 19(2), 133-44. doi:10.1089/088922203762688649 [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH from (contributors): (name of clone)." Also include the references cited above in any publications.

The clone Du422 (cat# 11308) is submitted to the NIH AIDS Reagent Program under release category C. All requestors of this clone must complete the "SAAVI Addendum for Category C Clone Du422" form before the reagent can be released. Queries can be directed to The Intellectual Property Manager, UCT Innovation, University of Cape Town, Private Bag, Rondebosch 7701, South Africa, Tel: +27-21-650-2425, Fax: +27-21-650-5778.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the UAB Research Foundation at the following email address: dhall@uab.edu, before the reagent can be released.

Last Updated: December 17, 2018

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