



## NIH AIDS Reagent Program

20301 Century Boulevard  
Building 6, Suite 200  
Germantown, MD 20874  
USA

Phone: 240 686 4740  
Fax: 301 515 4015  
aidsreagent.org

### DATA SHEET

**Reagent:** Panel of HIV-1 Subtype C Southern African Env Clones

**Catalog Number:** 13382

**Lot Number:** 180116

**Release Category:** E

**Provided:** 12 vials per set. Each vial contains 4 µg of dried purified DNA stabilized in DNASTable *Plus*. See attached file for a list of included clones.

**Cloning Vector:** pcDNA3.1  
Ampicillin and neomycin resistant

**Cloning Site:** TOPO TA cloned

**GenBank:** See attached file 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.

**Special Characteristics:** The Panel of HIV-1 Subtype C Southern African Env Clones was chosen from 200 well-characterized clade C envelope (Env)-pseudotyped viruses from early infection to screen sera from vaccine trials or natural-infection studies for neutralization responses. This reference panel represents the diversity of neutralization profiles throughout the range of virus sensitivities identified in the original panel of 200 viruses. Use of standardized panels enables direct comparisons of data from different trials and study sites testing HIV-1 clade C-specific products. [Panel of HIV-1 Subtype C Southern African Env Clones](#)

**NOTE:** These clones are available as a panel but they can also be ordered individually by catalog number.

---

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 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:** Dr. David Montefiori

Please see the Panel documentation for additional contributor details

**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](#)

P. Hraber, C. Rademeyer, C. Williamson, M. S. Seaman, R. Gottardo, H. Tang, K. Greene, H. Gao, C. LaBranche, J. R. Mascola, L. Morris, D. C. Montefiori and B. Korber. (2017). Panels of HIV-1 Subtype C Env Reference Strains for Standardized Neutralization Assessments. *J Virol*, 91(19). doi:10.1128/JVI.00991-17 [PUBMED](#)

C. Rademeyer, B. Korber, M. S. Seaman, E. E. Giorgi, R. Thebus, A. Robles, D. J. Sheward, K. Wagh, J. Garrity, B. R. Carey, H. Gao, K. M. Greene, H. Tang, G. P. Bandawe, J. C. Marais, T. E. Diphoko, P. Hraber, N. Tumba, P. L. Moore, G. E. Gray, J. Kublin, M. J. McElrath, M. Vermeulen, K. Middelkoop, L. G. Bekker, M. Hoelscher, L. Maboko, J. Makhema, M. L. Robb, S. Abdool Karim, Q. Abdool Karim, J. H. Kim, B. H. Hahn, F. Gao, R. Swanstrom, L. Morris, D. C. Montefiori and C. Williamson. (2016). Features of Recently Transmitted HIV-1 Clade C Viruses that Impact Antibody Recognition: Implications for Active and Passive Immunization. *PLoS Pathog*, 12(7), e1005742. doi:10.1371/journal.ppat.1005742 [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 HIV-1 Subtype C Southern African Env Clones from Dr. David Montefiori (cat# 13382)" Also include the references cited above in any publications.

**Last Updated:** June 13, 2018

---

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.