



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: pWITO.c/2474

Catalog Number: 11739

Lot Number: 150192

Release Category: C

Provided: 5 µg of dried purified DNA stabilized in DNastable *PLUS*

Cloning Vector: pCR-XL-TOPO
Neomycin and zeocin resistant

GenBank: [JN944938](#)

Host Strain: This plasmid contains the *ccdB* gene and cannot be propagated in most standard *E. coli* strains. Plasmids can be propagated in OneShot® *ccdB* Survival 2 T1^R Chemically Competent cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other *ccdB*-resistant competent cells.

Description: A full-length transmitted/founder (T/F) HIV-1 subtype B infectious molecular clone (IMC).

Special Characteristics: This construct is 13,121 bp including the insert.
Single genome amplicons generated from single genome amplification (SGA) of plasma viral RNA or proviral DNA were used to construct ten subtype B T/F IMCs.
This clone is part of the Panel of Full-Length Transmitted/Founder (T/F) HIV-1 Infectious Molecular Clones (IMCs), cat# 11919. See table for clone details and sequence files.
[Table.1 Panel of HIV-1 Infectious Molecular Clones \(IMC\).](#)
[Plasmid map and sequence file lot 150192](#)
This reagent is currently being provided as dried purified DNA stabilized in DNastable

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.

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. John Kappes and Dr. Christina Ochsenbauer

References:

1. Keele, B.F., E.E. Giorgi, J.F. Salazar-Gonzalez, J.M. Decker, K.T. Pham, M.G. Salazar, C. Sun, T. Grayson, S. Wang, H. Li, et al. Identification and characterization of transmitted and early founder virus envelopes in primary HIV-1 infection. Proc. Natl. Acad. Sci. USA. 105:7552, 2008. [Abstract](#)
2. Salazar-Gonzalez F, M. Salazar, B.F. Keele, G.H. Learn, J.M. Decker, S. Wang, J. Baalwe, M. Kraus, B. Guffey, C. Ochsenbauer, J.C. Kappes, M. Saag, et al. Genetic identity, biological phenotype, and evolutionary pathways of transmitted/founder viruses in acute and early HIV-1 infection. J. Exp. Med. 206:1273, 2009. [Abstract](#)
3. Salazar-Gonzalez, J.F., E. Bailes, K.T. Pham, M.G. Salazar, M.B. Guffey, B.F. Keele, C.A. Derdeyn, P. Farmer, E. Hunter, S. Allen, et al. 2008. Deciphering human immunodeficiency virus type 1 transmission and early envelope diversification by single-genome amplification and sequencing. J. Virol. 82:3952–3970 [Abstract](#)
4. Lee H.Y., E.E. Giorgi, B.F. Keele, B. Gaschen, G.S. Athreya, J.F. Salazar-Gonzalez, K.T. Pham, P.A. Goepfert, J.M. Kilby, M.S. Saag, E.L. Delwart, et al. Modeling sequence evolution in acute HIV-1 infection. J. Theor. Biol. 261:341, 2009. [Abstract](#)
5. Ochsenbauer C, Edmonds TG, Ding H, Keele BF, Decker J, Salazar MG, Salazar-Gonzalez JF, Shattock R, Haynes BF, Shaw GM, Hahn BH, Kappes JC. Generation of transmitted/founder HIV-1 infectious molecular clones and characterization of their replication capacity in CD4 T lymphocytes and monocyte-derived macrophages. J Virol. 2012 Mar;86(5):2715-28. [Abstract](#)

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pWITO.c/2474 (cat# 11739) from Dr. John Kappes and Dr. Christina Ochsenbauer." Also include the references cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact Hayes A. Lowe, J.D., UAB Research Foundation, The Office of Intellectual Property Management, AB 1120G, 1530 3rd Ave. S, Birmingham AL 35294-0111, Tel: 205-975-0843 Fax: 205-934-5427, email: halowe@uab.edu, before the reagent can be released.

Last Updated:

March 19, 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.