



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** HIV-1 Z3678M T/F Infectious Molecular Clone

**Catalog Number:** 13268

**Lot Number:** 180015

**Release Category:** C

**Provided:** 5 µg of dried purified DNA stabilized in DNASTable *Plus*

**Cloning Vector:** pBluescript  
Ampicillin resistant

**Cloning Site:** Ligation independent cloning  
The size of the insert is 9,055 bp.

**GenBank:** [KR820393](#)

**Host Strain:** Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C.

**Description:** A full length transmitted/founder (T/F) replication competent, infectious HIV-1 subtype C Z3678M molecular clone.

**Special Characteristics:** This construct is 12,872 bp including the insert.  
The source of this molecular clone is derived from an acutely infected subject from Zambia. This clone can be used for in vitro replication studies.  
Transfection of 293T cells produces infectious, subtype C HIV-1 corresponding to the putative transmitted founder virus for this Zambian heterosexual pair.  
[Contributor provided sequence file](#)  
This reagent is currently being provided as dried purified DNA stabilized in DNASTable

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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.

*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. Eric Hunter

**References:**

M. J. Deymier, D. T. Claiborne, Z. Ende, H. K. Ratner, W. Kilembe, S. Allen and E. Hunter. (2014). Particle infectivity of HIV-1 full-length genome infectious molecular clones in a subtype C heterosexual transmission pair following high fidelity amplification and unbiased cloning. *Virology*, 468-470, 454-61. doi:10.1016/j.virol.2014.08.018 [PUBMED](#)

M. J. Deymier, Z. Ende, A. E. Fenton-May, D. A. Dilernia, W. Kilembe, S. A. Allen, P. Borrow and E. Hunter. (2015). Heterosexual Transmission of Subtype C HIV-1 Selects Consensus-Like Variants without Increased Replicative Capacity or Interferon-alpha Resistance. *PLoS Pathog*, 11(9), e1005154. doi:10.1371/journal.ppat.1005154 [PUBMED](#)

**NOTE:** Acknowledgement for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 Z3678M T/F Infectious Molecular Clone from Dr. Eric Hunter (cat# 13268)." Also include the references cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact the Emory University Office of Technology Transfer, Email: [ott-mta@emory.edu](mailto:ott-mta@emory.edu), before the reagent can be released. Please specify the name and a description of the intended use of the reagent.**

**Last Updated:** May 16, 2018

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