



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 Z331F Infectious Molecular Clone (SGA 14)

Catalog Number: 13252

Lot Number: 170300

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 8,994 bp.

GenBank: [KR820297](#)

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 replication competent, infectious HIV-1 subtype C Z331F molecular clone.

Special Characteristics: This construct is 12,813 bp including the insert.
The source of this molecular clone is derived from a chronically infected Zambian donor partner. This non-transmitted clone variant can be used for in vitro replication studies.
Transfection of 293T cells produces infectious virus.
[Contributor provided sequence file](#)
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](#)

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.

or aried 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 Z331F Infectious Molecular Clone (SGA 14) from Dr. Eric Hunter." 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, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

Last Updated:

January 08, 2018

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