



**NIH AIDS Reagent Program**  
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## DATA SHEET

**Reagent:** HIV-1 Z331F Infectious Molecular Clone (SGA 21)

**Catalog Number:** 13254

**Lot Number:** 170302

**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 9,093 bp.

**GenBank:** [KR820303](https://www.ncbi.nlm.nih.gov/nuclot/KR820303)

**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 12,912 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](#)  
[Sequence file lot 170302](#)  
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](#)

<b>Recommended Storage:</b>	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.
<b>Contributor:</b>	Dr. Eric Hunter
<b>References:</b>	<p>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. <i>Virology</i>, 468-470, 454-61. doi:10.1016/j.virol.2014.08.018 <a href="#">PUBMED</a></p> <p>M. J. Deymier, Z. Ende, A. E. Fenton-May, D. A. Dilemnia, 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. <i>PLoS Pathog</i>, 11(9), e1005154. doi:10.1371/journal.ppat.1005154 <a href="#">PUBMED</a></p>
<b>NOTE:</b>	<p>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 21) from Dr. Eric Hunter (cat# 13254)." Also include the references cited above in any publications.</p> <p><b>Scientists at for-profit institutions or who intend commercial use of this reagent must contact the Emory University Office of Technology Transfer, Email: <a href="mailto:ott-mta@emory.edu">ott-mta@emory.edu</a>, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.</b></p>
<b>Last Updated:</b>	September 18, 2018

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