



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-2 ST Infectious Molecular Clone

Catalog Number: 12444

Lot Number: 170355

Release Category: C

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

Cloning Vector: pSP65
Ampicillin resistant

Cloning Site: XbaI cloning site
The size of the insert is 13,319.

GenBank: [M31113](#)

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-2 ST molecular clone.

Special Characteristics: This construct is 16,322 bp including the insert.
The source of this molecular clone was derived from ST/B12 cells infected with the HIV-2 ST virus. This clone represents an attenuated HIV-2 strain with reduced in vitro cytopathic activity. The clone was initially inserted into lambda phage (cat# 228, JSP4-27), then partially digested with Xba I and inserted into pSP65.
Transfection of this plasmid into cells produces infectious, non-fusogenic virus.
[Contributor provided sequence information](#)
[Plasmid map and sequence file](#)

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.

Alternate names include: pHIV-2/ST

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. Beatrice Hahn and Dr. George M. Shaw

References: L. I. Kong, S. W. Lee, J. C. Kappes, J. S. Parkin, D. Decker, J. A. Hoxie, B. H. Hahn and G. M. Shaw. (1988). West African HIV-2-related human retrovirus with attenuated cytopathicity. *Science*, 240(4858), 1525-9. [PUBMED](#)

P. Kumar, H. X. Hui, J. C. Kappes, B. S. Haggarty, J. A. Hoxie, S. K. Arya, G. M. Shaw and B. H. Hahn. (1990). Molecular characterization of an attenuated human immunodeficiency virus type 2 isolate. *J Virol*, 64(2), 890-901. [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-2 ST Infectious Molecular Clone from Dr. Beatrice Hahn and Dr. George Shaw." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of Release Category C Reagents (Cat# 228) must contact Dr. David Winwood, Chief Executive Officer, UAB Research Foundation, 770 Administration Building, 701 20th Street South, Birmingham, Alabama 35294, Email: winwood@uab.edu, Tel: 205-996-2550, before the reagent can be released.

Last Updated: July 21, 2020

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