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DATA SHEET

Reagent: HIV-1 89.6 ΔVpr Infectious Molecular Clone

Catalog Number: 13403

Lot Number: 180167

Release Category: C

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

Cloning Vector: pUC19
Ampicillin resistant

GenBank: [U39362](https://www.ncbi.nlm.nih.gov/nuclot/U39362)

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

Description: A full length replication competent, infectious HIV-1 subtype B 89.6 ΔVpr molecular clone. The virus produced by this clone utilizes CCR5 and CXCR4 as co-receptors.

Special Characteristics: This construct is 12,122 bp including the insert.
The source of this molecular clone is p89.6 (cat# 3552) from Dr. Ronald Collman. A shuttle vector was used to remove a fragment containing the *vpr* open reading frame for AflII digestion, fill in, and religation. This introduced a premature stop codon and destroys the AflII site in Vpr. When transfected into cells, this construct will produce infectious dual-tropic HIV-1 lacking functional Vpr.
[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.

Recommended Storage: Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor: Dr. Kathleen Collins

References: R. Collman, J. W. Balliet, S. A. Gregory, H. Friedman, D. L. Kolson, N. Nathanson and A. Srinivasan. (1992). An infectious molecular clone of an unusual macrophage-tropic and highly cytopathic strain of human immunodeficiency virus type 1. J Virol, 66(12), 7517-21. [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 89.6 ΔVpr Infectious Molecular Clone from Dr. Kathleen Collins (cat# 13403)." 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 Office of Technology Transfer at the following email address: techtransfer@umich.edu, before the reagent can be released.

Last Updated: December 17, 2019

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