



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent: ☒ HIV-1 MC99IIIBΔTat-Rev Virus

Catalog Number: 1943

Lot Number: 4 April 1994

Release Category: C

Provided: 1 ml cell-free virus

Original Source: HIV-1 was generated by transfection of the proviral plasmid IIIB, an HXB-3 derivative. Oligonucleotide-directed mutagenesis with the bacteriophage M13 system (Amersham) was used to introduce five point mutations into the coding regions of *tat* and *rev*.

Host Strain: CEM-TART cells (Catalog #1944)

Propagation: This virus will only propagate in CEM-TART cells (Catalog #1944)

Sterility: Negative for bacteria, mycoplasma and fungi.

Special Characteristics: HIV-1 was generated by transfection of the proviral plasmid IIIB, an HXB-3 derivative. Oligonucleotide-directed mutagenesis with the bacteriophage M13 system (Amersham) was used to introduce five point mutations into the coding regions of *tat* and *rev*.

Mutant virus produced using these cells allows studies of the HIV-1 life cycle in a biologically contained system.

[Antiviral Agent Testing Using CEM-TART Cells](#)

Recommended Storage: Liquid nitrogen.

Contributor: Drs. Herbert Chen, Terence Boyle, Michael Malim, Bryan Cullen, and H. Kim Lyerly.

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.

References: Chen H, Boyle JT, Malim MH, Cullen BR, Lyerly HK. Derivation of a biologically contained replication system for human immunodeficiency virus type 1. *Proc Natl Acad Sci USA* **89**:7678-7682, 1992.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, AIDS Program, NIAID, NIH: HIV-1 MC99III Δ Tat-Rev Virus from Drs. Herbert Chen, Terence Boyle, Michael Malim, Bryan Cullen, and H. Kim Lyerly." Also include the reference cited above in any publications.

Last Updated: July 09, 2018

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