



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	☒ HIV-1 JC Virus
Catalog Number:	3523
Lot Number:	11/27/96
Release Category:	C
Provided:	0.5 ml cell-free virus TCID ₅₀ = 2.0 x 10 ⁵ /mL
Original Source:	Derived by coculture of PBMCs from chimpanzee C499 with uninfected chimpanzee PBMCs. The resulting virus was passaged once through chimpanzee PBMCs to produce the stock.
Host Strain:	The preferred host is chimpanzee PBMCs. Also replicates in human PBMCs and CEMx174 cells.
Propagation:	Inoculate 10 ⁷ PHA- and IL-2-stimulated PBMCs with 10 ³ TCID ₅₀ of HIV-1 _{JC} and incubate overnight. The next day, wash the cells and resuspend in medium containing IL-2. Replace the culture medium every 3–4 days. To scale up the culture, add fresh cells every 8–10 days. Propagate in RPMI 1640 containing 10% FBS, 10 mM HEPES, and 5–10% (by volume) IL-2.
Sterility:	Negative for bacteria, fungi, and mycoplasma.
Description:	This CXCR4-utilizing virus was isolated from a chimpanzee that developed AIDS 10 years after infection with HIV-1
Recommended Storage:	Liquid nitrogen.
Contributor:	Dr. Francis Novembre

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: Novembre FJ, Saucier M, Anderson DC, Klumpp SA, O'Neil SP, Brown CR II, Hart CE, Guenther PC, Swenson RB, McClure HM. Development of AIDS in a chimpanzee infected with human immunodeficiency virus type 1. *J Virol* **71**:4086-4091, 1997.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 JC Virus from Dr. Francis Novembre." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact Emory University, Office of Technology Transfer, 2009 Ridgewood Drive, Atlanta, GA 30322, Tel: 404-727-2211, Fax: 404-727-1271 before the reagent can be released.

Last Updated: August 02, 2018

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