



NIH AIDS Reagent Program

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DATA SHEET

Reagent: ☼ HIV-1 MN Virus

Catalog Number: 317

Lot Number: 110223

Release Category: C

Provided: 1 vial cell-free virus, 3.98×10^4 TCID₅₀/mL, p24 = 100 ng/mL.

Original Source: Human patient peripheral blood lymphocytes. Isolated from tissue culture supernatant from infected H9 cells.

Host Strain: H9 cells

Propagation: Maintain cells in RPMI 1640 with L-glutamine, 80%; fetal bovine serum, 20% at $0.5-1 \times 10^6$ cells/ml for optimum growth. Split 1:2-1:4 every 2-3 days.

Sterility: Negative for bacteria, mycoplasma, and fungi.

Description: This is a subtype B, X4 (SI) virus.
Note: Previously referred to as **HTLV-III_{MN}/H9**.

Special Characteristics: This viral strain exhibits the same cytopathic effects on H9 cells as HTLV-III_B. Also infects human neoplastic CD4+ T cells including H9, CEM, U937, Molt 3, HeLa CD4+ cells, and human peripheral blood lymphocytes. Utilizes CXCR4 as a coreceptor.

This isolate is available individually, or as part of the HIV-1 60 International Isolate Panel (Cat #11412).

[Table I. HIV-1 International Panel of HIV-1 Isolates.](#)

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: Liquid nitrogen.

Contributor: Dr. Robert Gallo.

References: Gallo RC, Salahuddin SZ, Popovic M, Shearer GM, Kaplan M, Haynes BF, Palker TJ, Redfield R, Oleske J, Safai B, White G, Foster P, Markham PD. Frequent detection and isolation of cytopathic retroviruses (HTLV-III) from patients with AIDS and at risk for AIDS. *Science* **224**:500-503, 1984. Shaw GM, Hahn BH, Arya SK, Groopman JE, Gallo RC, Wong-Staal F. Molecular characterization of human T-cell leukemia (lymphotropic) virus type III in the acquired immune deficiency syndrome. *Science* **226**:1165-1170, 1984.

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

Scientist at for-profit institutions or who intend commercial use of this reagent must contact Dr. Susan Ano, Office of Technology Transfer, National Institute of Health, 6011 Executive Blvd, Suite 325, Rockville, MD 20852, Tel:(301) 435-5515, Fax:(301) 402-0220, Email: anos@mail.nih.gov, Website: <http://ott.od.nih.gov>, before the reagent can be released.

Last Updated: April 30, 2018

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