



NIH AIDS Reagent Program

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DATA SHEET

Reagent: ☒ HIV-1 MN Virus

Catalog Number: 317

Lot Number: 170166

Release Category: C

Provided: 1 mL of cell-free virus
TCID₅₀= 7.18 x 10² TCID₅₀/mL in H9 cells
p24 = 413

Original Source: Human peripheral blood lymphocytes

Host Strain: H9 cells

Propagation: Maintain cells in RPMI 1640 with L-glutamine, 80%; fetal bovine serum, 20%; 1 X NEAA at 0.5-1 x 10⁶ cells/mL for optimum growth. Split 1:2-1:4 every 2-3 days

Sterility: Negative for mycoplasma, bacteria and fungi

Description: A group M, subtype B, HIV-1 virus isolate which utilizes CXCR4 co-receptor to infect cells.

Special Characteristics: HIV-1 MN isolate was taken from a pediatric AIDS patient located in the U.S. in 1984. 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. This is a syncytia forming virus. Previously referred to as HTLV-III_{MN}/H9.
GenBank Accession Number: [M17449](#)

This isolate is available individually, or as part of the HIV-1 60 International

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.

Isolate Panel (Cat #11412).

Table I. HIV-1 International Panel of HIV-1 Isolates.

Recommended Storage:	Keep the reagent in liquid nitrogen.
Contributor:	Dr. Robert Gallo.
References:	<p>R. C. Gallo, S. Z. Salahuddin, M. Popovic, G. M. Shearer, M. Kaplan, B. F. Haynes, T. J. Palker, R. Redfield, J. Oleske, B. Safai and et al. (1984). Frequent detection and isolation of cytopathic retroviruses (HTLV-III) from patients with AIDS and at risk for AIDS. Science, 224(4648), 500-3. PUBMED</p> <p>G. M. Shaw, B. H. Hahn, S. K. Arya, J. E. Groopman, R. C. Gallo and F. Wong-Staal. (1984). Molecular characterization of human T-cell leukemia (lymphotropic) virus type III in the acquired immune deficiency syndrome. Science, 226(4679), 1165-71. PUBMED</p>
NOTE:	<p>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 (Cat# 317)." Also include the references cited above in any publications.</p> <p>Scientists at for-profit institutions or who intend commercial use of this reagent must contact the NCI Technology Transfer Center at the following email address: lauren.nguyen-antczak@nih.gov, before the reagent can be released.</p>
Last Updated:	November 30, 2018

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