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DATA SHEET

Reagent:	HIV-1 MN Virus
Catalog Number:	317
Lot Number:	080005
Release Category:	C
Provided:	1 vial cell-free virus, 1.02 x 10^4 $TCID_{50}$/mL, p24 = 634 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 x 10^6 cells/ml for optimum growth. Split 1:2-1:4 every 2-3 days.
Sterility:	Negative for bacterria, mycoplasma, and fungi.
Description:	X4 (SI). Note: Previously referred to as **$HTLV\text{-}III_{MN}$/H9.**
Special Characteristics:	This viral strain exhibits the same cytopathic effects on H9 cells as $HTLV\text{-}III_B$. 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.
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: June 19, 2017