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DATA SHEET

Reagent:	HIV-1 L10R/M46I/L63P/V82T/I84V Virus
Catalog Number:	2840
Lot Number:	3/6/95
Release Category:	E
Provided:	1 ml cell-free virus
Original Source:	Mutations in the protease gene were constructed by gapped-duplex oligonucleotide mutagenesis of pWT-6. pWT-6 contains the 1517 bp MunI-AgeI fragment from NL4-3 cloned into the EcoRI-XmaI sites of pUC19. Infectious proviral clones were then generated by subcloning the 833 bp *Apa*I-Sse 83871 fragment back into pNL4-3. This clone was used to transfect HeLa cells, and virus stocks were generated by coculture with H9 cells.
Host Strain:	H9 and MT-4 cells
Propagation:	RPMI 1640, 90%; fetal bovine serum, 10%.
Sterility:	Negative for bacteria, fungi, and mycoplasma.
Description:	A CXCR4 utilizing virus that is resistant to the structurally diverse protease inhibitors MK-639, XM323, A-80987, Ro 31-8959, VX-478, and SC-52151.
Special Characteristics:	The resistance profile is identical to that of a patient isolate obtained after 40 weeks of treatment with MK-639 alone. The protease substitution pattern is identical to that of one variant virus population in the patient isolate.
Recommended Storage:	Liquid nitrogen.
Contributor:	Dr. Emilio Emini.

References:

Condra JH, Schleif WA, Blahy OM, Gabryelski LJ, Graham DJ, Quintero JC, Rhodes A, Robbins HL, Roth E, Shivaprakash M, Titus D, Yang T, Teppler H, Squires KE, Deutssch PJ, Emini EA. *In vivo* emergence of HIV-1 variants resistant to multiple protease inhibitors. *Nature* **374**:569-571, 1995.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 L10R/M46I/L63P/V82T/I84V Virus from Dr. Emilio Emini." Also include the references cited above in any publications.

Recipient must not use or incorporate the reagent for commercial purposes.

Last Updated: July 31, 2018