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 ApaI-Sse83871 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.

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