



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	☒ HIV-1 NL4-3 gp41 (36G) V38A, N42D Virus
<b>Catalog Number:</b>	9488
<b>Lot Number:</b>	040597
<b>Release Category:</b>	E
<b>Provided:</b>	1 ml cell-free virus p24 = 140 ng/mL
<b>Original Source:</b>	The noted mutations were introduced into pNL4-3 (cat# 144) and the DNA was transfected into 174xCEM cells (cat# 272). Virus was collected after maximum cytopathic effects were noted.
<b>Propagation:</b>	Virus stocks are typically grown in CEM CD4+ cells (cat# 117) or MT-4 cells (cat# 120). Otherwise, the virus should be able to be produced in any other receptive target cell. Virus is cytopathic and will produce large syncytia.
<b>Sterility:</b>	Negative for mycoplasma, bacteria and fungi.
<b>Description:</b>	This virus is part of a panel of NL4-3-based viruses that were constructed to study resistance to the fusion inhibitor Enfuvirtide (T-20).
<b>Special Characteristics:</b>	This virus is based on cat# 9489 (HIV-1 NL4-3 gp41 D36G Virus). It contains substitutions relative to the subtype B consensus sequence in gp41 amino acids 36-45 which confer decreased susceptibility to Enfuvirtide (T-20, cat# 9845). This isolate utilizes the CXCR4 coreceptor. <a href="#">Table of Panel</a>
<b>Recommended Storage:</b>	Liquid nitrogen.
<b>Contributor:</b>	Trimeris, Inc.

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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.

**References:** Rimsky LT, Shugars DC, Matthews TJ. Determinants of human immunodeficiency virus type 1 resistance to gp41-derived inhibitory peptides. *J Virol* **72**:986-993, 1998. [Abstract](#).

Adachi A, Gendelman HE, Koenig S, Folks T, Willey R, Rabson A, Martin MA. Production of acquired immunodeficiency syndrome-associated retrovirus in human and nonhuman cells transfected with an infectious molecular clone. *J Virol* **59**:284-291, 1986. [Abstract](#).

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 NL4-3 gp41 (36G) V38A, N42D Virus from Trimeris, Inc." Also include the references cited above in any publications.

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

**Last Updated:** August 06, 2018

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