



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent: HIV-1 NL4-3 Infectious Molecular Clone (pNL4-3)

Catalog Number: 114

Lot Number: 140136

Release Category: C

Provided: 5 µg of purified DNA stabilized in DNASTable *PLUS* and dried

Cloning Vector: pUC18
Ampicillin resistant

Cloning Site: The 5' SmaI-EcoRI fragment of proviral NY5 (5' SmaI in flanking sequences to 3' EcoRI) and the 3' fragment of proviral LAV (5' EcoRI to 3' NruI in flanking sequences) were blunt-end cloned into pUC18 at the PvuII site after removal of polylinker sites.

GenBank: AF324493

Host Strain: HB101

Description: Full-length, replication and infection competent chimeric DNA.

Special Characteristics: Upon transfection this clone directed the production of infectious virus particles in a wide variety of cells. The progeny, infectious virions, were synthesized in mouse, mink, monkey, and several non-T cell lines, indicating the absence of any intracellular obstacle to viral RNA or protein production or assembly. Source of provirus: NY5 (5') and LAV (3') cloned directly from genomic DNA.

[Plasmid map and sequence file lot 140136](#)

[Contributor provided sequence information](#)

This reagent is currently being provided as purified DNA stabilized in DNASTable *PLUS* and dried. Please see the notice for additional information and the protocol for reconstitution

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.

or dried DNA reagents. [Dried DNA Notice](#)

Recommended Storage: Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor: Dr. Malcolm Martin.

References: 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.

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 Infectious Molecular Clone (pNL4-3) from Dr. Malcolm Martin." Also include the reference cited above in any publications. **Scientists at for-profit institutions or who intend commercial use of this reagent must contact the NIH Office of Technology Transfer at NIAID, Email: NIAIDAIDSReagent@niaid.nih.gov, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.**

Last Updated: March 16, 2018

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.