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DATA SHEET

Reagent:	HIV-1 NL4-3 Infectious Molecular Clone (pNL4-3)
Catalog Number:	114
Lot Number:	098164
Release Category:	C
Provided:	5µg purified plasmid DNA (1µg/µl).
GenBank:	AF324493
Host Strain:	HB101
Description:	Full-length, replication and infection competent chimeric DNA. The 5´*Sma*I-*Eco*RI fragment of proviral NY5 (5´ *Sma*I in flanking sequences to 3´ *Eco*RI) and the 3´ fragment of proviral LAV (5´ *Eco*RI to 3´ *Nru*I in flanking sequences) were blunt-end cloned into pUC18 at the *Pvu*II site after removal of polylinker sites.
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 Pro Virus: NY5 (5´) and LAV (3´) cloned directly from genomic DNA. **References:** Sequence File***Updated 14May10** Plasmid Map Organization and Restriction Sites
Recommended Storage:	-70°C
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,**
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: August 21, 2017