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

**Catalog Number:** 114

**Lot Number:** 070019

**Release Category:** C

**Provided:** 5µg purified plasmid DNA (1µg/µl).

**GenBank:** AF324493

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

**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.

**Recommended Storage:** -70°C

**Contributor:** Dr. Malcolm Martin.

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.

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