NIH AIDS Reagent Program
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DATA SHEET

Reagent:	pNL4-3.HSA.R$^-$
Catalog Number:	3421
Lot Number:	110077
Release Category:	C
Provided:	5 µg of dried purified DNA stabilized in DNAstable *PLUS*
Cloning Vector:	pUC-19 Ampicillin resistant
Description:	Replication competent proviral DNA. Vpr- due to a frameshift at Vpr aa 26.
Special Characteristics:	This construct is 14,975 bp including the insert. Murine heat stable antigen CD24 (HSA) gene was inserted into the pNL4-3 nef gene to produce this clone. Virus can be produced by transfecting 2 X 10^6 293 or 293T cells with 20 µg NL4-3 DNA. Transfections can be performed in a 10 cm^2 tissue culture dish using standard calcium phosphate protocols. Virus is typically harvested 48 hours post-transfection. Infections should be performed in a total volume of 0.5 ml. The amphotropic pseudotypes generally have much higher infectivity than those bearing HIV-1 env. Cultures infected with HSA viruses can be assayed by FACS analysis with a commercial CD24 antibody (Pharmingen) 2-5 days post-infection. Contributor provided plasmid map Plasmid map and sequence file lot 110077 This reagent is currently being provided as dried purified DNA stabilized in DNAstable *PLUS*. Please see the notice for additional information and the protocol for reconstitution of 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. Nathaniel Landau, Aaron Diamond AIDS Research Center, The Rockefeller University.

References:

He J, Choe S, Walker R, Di Marzio P, Morgan DO, Landau NR. Human immunodeficiency virus type 1 viral protein R (Vpr) arrests cells in the G2 phase of the cell cycle by inhibiting p34cdc2 activity. *J Virol* **69**:6705-6711, 1995.

Connor RI, Chen BK, Choe S, Landau NR. Vpr is required for efficient replication of human immunodeficiency virus type-1 in mononuclear phagocytes. *Virology* **206**:935-944, 1995.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pNL4-3.HSA.R- from Dr. Nathaniel Landau." Also include the references cited above in any publications.

Patent pending. Requests from commercial organizations must be directed to the New York University Office of Industrial Liaison at the following email address: sadhana.chitale@nyumc.org.

Last Updated March 19, 2018