



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	HIV-1 LAI Infectious Molecular Clone (pLAI.2)
Catalog Number:	2532
Lot Number:	160166
Release Category:	C
Provided:	5 µg of dried purified DNA stabilized in DNASTable <i>PLUS</i>
Cloning Vector:	pKP59 Ampicillin resistant
Host Strain:	Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.
Description:	A full length replication competent, infectious HIV-1 subtype B LAI molecular clone. The virus produced by this molecular clone utilizes CXCR4 as a co-receptor.
Special Characteristics:	<p>The construct is 12,075 bp including the insert.</p> <p>The source of this molecular clone is HIV-1 LAI. It contains a 10 kb viral insert, plus 2 kb of flanking cellular DNA. A duplication upstream of the 5' LTR results in a 34 nt addition to the <i>nef</i> coding region.</p> <p>Contributor provided sequence information</p> <p>Plasmid map and sequence file lot 160166</p> <p>This reagent is currently being provided as dried purified DNA stabilized in DNASTable <i>PLUS</i>. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice</p>
Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

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.

Contributor: Dr. Keith Peden, courtesy of the MRC AIDS Directed Program.

References: Peden, K., Emerman, M., & Montagnier, L. (1991). Changes in growth properties on passage in tissue culture of viruses derived from infectious molecular clones of HIV-1LAI, HIV-1MAL, and HIV-1ELI. *Virology*, 185(2), 661-672. [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 LAI Infectious Molecular Clone (pLAI.2) from Dr. Keith Peden, courtesy of the MRC AIDS Directed Program." Also include the reference cited above in any publications.

Last Updated: February 28, 2019

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