



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 LTR Scanning Mutants (CAT)

Catalog Number: 4147

Lot Number: 2

Release Category: A

Provided: The plasmids are supplied as a complete collection of transformed bacterial stocks in a single 96-well plate.

Description: Two sets of 26 substitution mutants extending from the 5' LTR (-453 bp from the transcription start site) to base +15. Each mutant replaces 18 bp of the wild type HXB2 sequence with an NdeI-XhoI-SalI (NXS) polylinker (CATATGCTCGAGGTCGAC).
[Click here to see the Plate A Well Assignment for this reagent.](#)

Special Characteristics: The 96 well plates used for expansion have a 1.5ml capacity. Each of the wells to be inoculated were filled with 1ml of LB+ ampicillin at 100µg/ml.
The plates were inoculated by using a pin inoculator configured for 96 well plates. The inoculator was dipped in ethanol and flamed before and after each use. The expansion plates were placed in a 37°C incubator overnight. The following morning growth was observed in all wells. Sterile glycerol (110µl) was added to each well and mixed thoroughly.
A mixture of broth culture and glycerol was aliquoted into U bottom 96 well plates. Plates were aliquoted at 100µl per well, covered with sterile sealing material and labeled on top cover. All plates stored at -80°C.

Contributor: Dr. Steve Zeichner

References: Zeichner S, Kim JYH, Alwine JC. *J Virol* **65**:2436, 1991.
Zeichner S, et al. *J Virol* **66**:2268, 1992.
Kim JYH, et al. *J Virol* **67**:1658, 1993.

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.

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