



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 Env Molecular Clones - Panel of Subtype C Indian Env clones

Catalog Number: 11672

Lot Number: 080135

Release Category: E

Provided: Clone 11499: 1 vial of clone containing 5 µg of dried purified DNA stabilized in DNASTable *Plus*
Clones 11500-11508: 1 vial of each clone containing 20 µg of purified DNA in TE buffer.

Cloning Vector: pCDNA 3.1D/V5-His TOPO®. Resistance genes for ampicillin and neomycin. Refer to Table 1 for size of each cloning vector including insert.

Cloning Site: The entire HIV-1 env/rev cassette was directly inserted into the cloning site of pCDNA 3.1D/V5-His TOPO® expression vector, in the correct orientation with the CMV promoter. Refer to Table 1 for size of each panel insert.

GenBank: Refer to table 1.

Description: The clones in this panel represent env/rev sequences derived from the genomic DNA of infected PBMC from a subject with acute subtype C infection (heterosexual transmission in Pune, India).

Special Characteristics: Each clone expresses a functional env/rev cassette and can be used to generate pseudotyped infectious virions that use CCR5 as the viral coreceptor. The env-pseudotyped virus is part of a standard panel of reference strains for use in neutralizing antibody assays.

[Table 1. HIV-1 Subtype C Panel of Indian Env Clones](#)

For clone 11499: 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](#)

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.

Recommended Storage: Keep at -20°C or lower. Avoid freeze-thaw cycles as reagent degradation may result.

Contributor: Drs. R. Paranjape, S. Kulkarni, H. Tang and D. Montefiori

References: Kulkarni SS., Lapedes A., Tang H., Gnanakaran S., Daniels MG., Zhang M., Bhattacharya T., Li M., Polonis VR., McCutchan FE., Morris L., Ellenberger D., Butera ST., Bollinger RC., Korber BT., Paranjape RS., Montefiori DC. Highly complex neutralization determinants on a monophyletic lineage of newly transmitted subtype C HIV-1 Env clones from India. *Virology*. Mar 15; **385**(2):505-20. [Abstract](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH from Drs. R. Paranjape, S. Kulkarni and D. Montefiori : HIV-1 Subtype C Panel of Indian gp160 Env Clones." Also include the references cited above in any publications.

Not available for release to commercial organizations. Recipient must not use or incorporate for commercial purposes.

Last Updated: November 29, 2017

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