



NIH AIDS Reagent Program

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DATA SHEET

Reagent: ☒ HIV-1 MJ4 Infectious Molecular Clone (pMJ4)

Catalog Number: 6439

Lot Number: 020879

Release Category: C

Provided: 1 ml transformed DH5a (glycerol stocks).

Cloning Vector: The cloning vector is pBlueScript. The size of the cloning vector including the insert is 12.8 kb.

Cloning Site: The cloning site on the vector is *SacI/EcoRI*. The size of the insert is 9.9 kb.

Host Strain: JM109 *E. coli* cells

Description: PCR from genomic DNA. The coding regions are all known HIV-1 genes. The antibiotic resistance marker is ampicillin. The sequence information is available in GenBank Accession #AF321523.

Special Characteristics: pMJ4 is an infectious HIV-1 subtype C molecular clone from a Southern African (Botswana) isolate. Potential applications include HIV-1 subtype C genetic characterization, tissue culture applications, neutralization assays.

Recommended Storage: -70°C.

Contributor: Drs. Thumbi Ndung'u, Boris Renjifo and Max Essex.

References: Ndung'u T, Renjifo B, Essex M. Construction and analysis of an infectious human immunodeficiency virus type 1 subtype C molecular clone. *J Virol* **75**(11):4964-4972, 2001.

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.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 MJ4 Infectious Molecular Clone (pMJ4) from Drs. Thumbi Ndung'u, Boris Renjifo and Max Essex." Also include the reference cited above in any publications.

Last Updated:

May 13, 2016

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