



NIH AIDS Reagent Program

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DATA SHEET

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

Catalog Number: 6439

Lot Number: 150368

Release Category: C

Provided: 5 µg of dried purified DNA stabilized in DNASTable *PLUS*

Cloning Vector: pBlueScript
Ampicillin resistant.

Cloning Site: SacI/EcoRI
The size of the insert is 9930 bp.

GenBank: [AF321523](#)

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: The pMJ4 construct is an infectious HIV-1 subtype C molecular clone from a Southern African (Botswana) isolate.

Special Characteristics: This construct is 12,833 bp including the insert. [Plasmid map and sequence file lot 150368](#)
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.

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: 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.

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.

Registrants at commercial entities must receive written approval from the three donors in order to receive this reagent. They may be contacted at the following e-mail addresses: ndungu@ukzn.ac.za, messex@hsph.harvard.edu, boris.renjifo@abbvie.com

Last Updated: June 13, 2017

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