



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 BH10 Non-infectious Molecular Clone (pBH10)

Catalog Number: 90

Lot Number: 180266

Release Category: C

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

Cloning Vector: SP64
Ampicillin resistant

Cloning Site: SstI cloning site
The size of the insert is approximately 8927 bp.

GenBank: [AH002345](#)

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 non-infectious HIV-1 subtype B BH10 molecular clone. The virus produced by this molecular utilizes CXCR4 as a co-receptor.

Special Characteristics: This construct is 11,923 bp including the insert.
The source of this molecular clone is the proviral sequence from λBH10. All nine open reading frames are present, but this clone is not infectious in the current backbone vector. This clone can be rendered infectious upon subcloning into an appropriate expression vector.
[Contributor provided plasmid map](#)
[Sequence file lot 180266](#)

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.

This reagent is currently being provided as dried purified DNA stabilized in UNASTABIE 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.

Contributor: Dr. Beatrice Hahn and Dr. George M. Shaw

References: Hahn, B. H., Shaw, G. M., Arya, S. K., Popovic, M., Gallo, R. C. and Wong-Staal, F. (1984). Molecular cloning and characterization of the HTLV-III virus associated with AIDS. Nature, 312(5990), 166-9. [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 BH10 Non-infectious Molecular Clone (pBH10) from Dr. Beatrice Hahn and Dr. George Shaw (cat# 90)." Also include the reference cited above in any publications.

Distributed with permission of Dr. Robert Gallo of the Laboratory of Tumor Cell Biology, Division of Cancer Etiology, National Cancer Institute.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact The UAB Research Foundation at the following email address: innovation@uab.edu, before the reagent can be released.

Last Updated: November 13, 2019

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