



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent:	☒ HIV-1 ME46 Virus
Catalog Number:	4156
Lot Number:	098362
Release Category:	B
Provided:	1 vial cell-free virus TCID ₅₀ = 2.26 x 10 ² /mL p24 = 305 ng/mL.
Original Source:	Peripheral blood mononuclear cells (PBMC) from a 40-year-old seropositive patient. Strain 367 was obtained during the asymptomatic stage, and strain 828 was obtained after the clinical onset of AIDS. ME1 (catalog #4155) was derived from the uncloned isolate 367. ME46 was derived from isolate 828.
Host Strain:	Human PBMC. Also replicates well in T-cell lines such as H9 and CEM.
Propagation:	Propagate in PHA-stimulated PBMCs using standard procedures. Additional PHA-stimulated PBMCs should be added weekly. Culture in RPMI 1640 with 20% fetal bovine serum. Virus can be collected starting from day 10-15. [Virus also grows very well in CEM-SS]
Sterility:	Negative for bacteria, mycoplasma, fungi, and yeast.
Description:	Env subtype B. Utilizes R5 and X4.
Special Characteristics:	One of a pair of viruses obtained by molecular cloning from the same individual. The viruses have divergent biological properties. Both preparations can be grown to high titer. GenBank Accession No. U66222.

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: Liquid nitrogen.

Contributor: Dr. Phalguni Gupta.

References: Chen M, Singh MK, Balachandran R, Gupta P. Isolation and characterization of two divergent infectious molecular clones of HIV type 1 longitudinally obtained from a seropositive patient by a progressive amplification procedure. *AIDS Res Hum Retroviruses* **13**:743-750, 1997.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 ME46 Virus from Dr. Phalguni Gupta." Also include the reference cited above in any publications.

Last Updated: August 03, 2018

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.