



NIH AIDS Reagent Program

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DATA SHEET

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Reagent: vPE-12B

Catalog Number: 2735

Lot Number:

Provided: 1 ml cell-free virus at $10^{8.1}$ pfu/ml.

Host or Recommended Host or Host Cells: This lot was propagated in RK13 cells. Also infects HeLa and most mammalian cell lines.

Special Characteristics: Contains a mutated BH8 *env* gene in which the proteolytic cleavage site between gp120 and gp41 was removed. A translation termination codon was placed just prior to the transmembrane domain. The *env* gene is under control of a synthetic early/late vaccinia virus promoter. Expresses high levels of soluble, secreted, non-cleaved gp140. The protein is oligomeric and binds to CD4.
Sterility: Negative for bacteria, fungi, and mycoplasma.
Cloning Site: Vaccinia virus thymidine kinase gene.

Recommended Storage: Liquid nitrogen.

Contributor: Dr. Patricia Earl and Dr. Bernard Moss.

References: Earl PL, Doms RW, Moss B. Multimeric CD4 binding exhibited by human and simian immunodeficiency virus envelope protein dimers. *J Virol* **66**:5610-5614, 1992. Earl PL, Broder CC, Long D, Lee SA, Peterson J, Chakrabarti S, Doms RW, Moss B. Native oligomeric human immunodeficiency virus type 1 envelope glycoprotein elicits diverse monoclonal antibody reactivities. *J Virol* **68**:3015-3026, 1994.

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: vPE-12B from Dr. Patricia Earl and Dr. Bernard Moss." Also include the references cited above in any publications.

The US Government has submitted a patent application on this reagent.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact Dr. Sally Hu at the NIH Office of Technology Transfer, Email: hus@mail.nih.gov, Phone: 301-435-5606, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

The control vaccinia viruses to this reagent are Catalog #353 and Catalog #357.

Last Updated:

June 24, 2013

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