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DATA SHEET

1 SJCRH

Reagent: vv1009

Catalog Number: 2996

Lot Number:

Provided: 0.5 ml cell-free virus (5 x 10^6 pfu). Propagate on mammalian cell monolayers, using TK- cells in the presence of BUDR.

Description: A pSC11-based plasmid encoding a truncated IIIB-derived (B10) envelope gene was modified to remove the b-gal-coding fragment. The BH10 V1-V3 region was replaced with the corresponding sequence from a Memphis HIV-1 isolate (the remaining HIV-1 sequences derived from BH10). The substituted vector was recombined with vaccinia virus (WRwt) by disruption of the TK gene. A live virus was propagated on TK-143B cells in the presence of BUdR.

Special Characteristics: Virus is cytophathic. Virus expresses the HIV-1 envelope protein as a truncated product inclusive of external gp120 and gp41. The V1/V2 region has been partially sequenced (SWGSVDKGEI KNCSFNITTG IRDKVQKGYA YFYIPDIDQI NDNNNDNTSY RLINCNT). Expression is driven by the P7.5 early/late promoter. The virus may be used for the elicitation and analysis of HIV-1 Env-specific immunity or the preparation of CTL target cells.
Sterility: Negative for bacteria and mycoplasma.

Recommended Storage: Liquid nitrogen.

Contributor: Dr. Julia Hurwitz.

References:
Slobod KS, Rencher SD, Farmer A, Smith FS, Hurwitz JL. HIV type 1 envelope sequence diversity in an inner city community. *AIDS Res Hum Retroviruses* **10**:873-875, 1994.
Ryan KW, Ownes RJ, Hurwitz JL. Preparation and use of vaccinia virus vectors for HIV protein expression and immunization. In: *Immunology Methods Manual*, I Lefkovits (Ed), Academic Press 1995. Hallenberger S, Tucker SP, Owens RJ, Bernstein HB, Compans RW. Secretion of a truncated form of the human immunodeficiency virus type 1 envelope glycoprotein. *Virology* **193**:510-514, 1993.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: vv1009 from Dr. Julia Hurwitz." Please include the references cited above in any publications.

The US Government has submitted a patent application on the parent plasmid pSC11.

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.

Last Updated: June 24, 2013