



NIH AIDS Reagent Program

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DATA SHEET

Reagent: ☒ SHIV SF162P3 Virus

Catalog Number: 6526

Lot Number: 6 3.19.12

Release Category: B

Provided: 1 0.5 mL vial cell-free virus. Host cells were rhesus macaque PBMC. Cells were grown in medium containing pen/strep.
Viral RNA copies: 888659078 copies/mL
p27 content of stock: 143 ng/mL
Titer in rhesus PBMC was a TCID₅₀ of 1.77 x 10³/mL

Host Strain: Rhesus macaque and human PBMCs. Also infects CEM-CCR5 cells.

Propagation: Stimulated rhesus macaque PBMC.

Sterility: Negative for mycoplasma, bacteria and fungi

Description: Isolated from lymph node mononuclear cells (LNMC) of rhesus macaque infected with SHIV_{162p3} via serial blood-bone marrow transfusion.

Special Characteristics: Coreceptor specificity of SHIV_{162p3} is CCR5. Virus is transmissible in rhesus macaques by mucosal (rectal and vaginal) and parental routes of inoculation.

[Specification Sheet](#)

Investigator should determine *in vivo* challenge dose based on actual data using their model. For additional information please contact either Dr. Nancy Miller (DAIDS, NIAID) or Dr. Ranajit Pal (ABL).

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: Drs. Janet Harouse, Cecilia Cheng-Mayer, Ranajit Pal and the DAIDS, NIAID.

References: Harouse JM, Gettie A, Eshetu T, Tan RC, Bohm R, Blanchard J, Baskin G, Cheng-Mayer C. Mucosal transmission and induction of simian AIDS by CCR5-specific simian/human immunodeficiency virus SHIV(SF162P3). *J Virol* **75**:1990-1995, 2001.

Harouse JM, Gettie A, Tan RC, Blanchard J, Cheng-Mayer C. Distinct pathogenic sequela in rhesus macaques infected with CCR5 or CXCR4 utilizing SHIVs. *Science* **284**:816-819, 1999.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, NIAID, NIH: SHIV SF162P3 Virus from Drs. Janet Harouse, Cecilia Cheng-Mayer, Ranajit Pal and the DAIDS, NIAID." Also include the references cited above in any publications.

Last Updated: December 22, 2015

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