



NIH AIDS Reagent Program

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DATA SHEET

Reagent: ☒ SHIV SF162P3 Virus

Catalog Number: 6526

Lot Number: 170117

Release Category: B

Provided: 0.5 mL of cell-free virus
TCID₅₀= 1758/mL in rhesus PBMC
p27 = 183 ng/mL
This lot is the same stock with ABL lot name: R922 derived, Harvest 3, 9/12/16.

Original Source: This virus was isolated from lymph node mononuclear cells (LNMC) of rhesus macaque infected with SHIV SF162P3 Virus via serial blood-bone marrow transfusion.

Host Strain: Stimulated rhesus macaque PBMCs
This virus also infects human PBMCs and CEM-CCR5 cells.

Propagation: Cells were grown in medium containing pen/strep.

Description: SHIV SF162P3 is a pathogenic CCR5-utilizing virus.

Special Characteristics: Virus is transmissible in rhesus macaques by mucosal (rectal and vaginal) and parental routes of inoculation.

Investigators 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: Keep the reagent in liquid nitrogen.

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

References: Harouse, J. M., Gettie, A., Eshetu, T., Tan, R. C., Bohm, R., Blanchard, J., . . . Cheng-Mayer, C. (2001). Mucosal transmission and induction of simian AIDS by CCR5-specific simian/human immunodeficiency virus SHIV(SF162P3). *J Virol*, 75(4), 1990-1995. doi:10.1128/JVI.75.4.1990-1995.2001 [PUBMED](#)

Harouse, J. M., Gettie, A., Tan, R. C., Blanchard, J., & Cheng-Mayer, C. (1999). Distinct pathogenic sequela in rhesus macaques infected with CCR5 or CXCR4 utilizing SHIVs. *Science*, 284(5415), 816-819. [PUBMED](#)

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 (cat# 6526)." Also include the references cited above in any publications.

Last Updated: June 07, 2018

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