



NIH AIDS Reagent Program

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DATA SHEET

Reagent: ☼ SIVsyk173 Virus

Catalog Number: 10775

Lot Number: 170014

Release Category: E

Provided: 1 mL of cell-free virus
TCID₅₀ = 1.0 x 10³/mL
p27 = 193 ng/mL

Original Source: This virus was isolated from a Sykes monkey (*Cercopithecus mitis albogularis*), by co-culturing sero-positive monkey PBMCs (cm 173) with sero-negative monkey PBMCs (cm 260). Once virus was detected, the infected PBMCs were co-cultivated with CEMx174 cells.

Host Strain: CEMx174 cells

Propagation: This virus is difficult to propagate in cell culture, but the best cell line for virus propagation is CEMx174 cells with RPMI 1640 medium. The cell line is inefficient in replication; therefore, a high amount of virus (0.5 to 1 mL) is recommended at the time of infection.

Sterility: Negative for mycoplasma, fungi and bacteria

Description: A simian immunodeficiency virus isolate.

Special Characteristics: This virus was the first to represent a unique primate lentivirus group, SIVsyk, from 4 other groups that had been previously discovered: HIV-1, SIVssm and HIV-2, SIVagm, SIVmnd. This isolate is useful for studying accessory gene functions of SIV.

Alternate Name: SIVsyk173/CEMx174

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: Dr. Vanessa Hirsch

References: Hirsch, V. M., Dapolito, G. A., Goldstein, S., McClure, H., Emau, P., Fultz, P. N., . . . Johnson, P. R. (1993). A distinct African lentivirus from Sykes' monkeys. J Virol, 67(3), 1517-1528. [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SIVsyk173 Virus from Dr. Vanessa Hirsch (cat# 10775)." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact Cindy Fuchs, NIAID Office of Technology Development, Tel: 301-496-2644, before the reagent can be released.

Recipient must not use or incorporate the reagent for commercial purposes.

Last Updated: August 20, 2018

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