



NIH AIDS Reagent Program

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DATA SHEET

Reagent: ☒ SIVmac251 Virus

Catalog Number: 253

Lot Number: 11/7/88

Release Category: C

Provided: 1 vial cell-free virus, 0.64×10^4 TCID₅₀/ml (titration from APR2023).

Original Source: Splenocytes of a macaque that died of a malignant lymphoma 26 months following inoculation with minced tissue from a spontaneous *Macaca mulatta* lymphoma were co-cultivated with HUT 78 cells.

Host Strain: CEMx174. Also infects human PBL, H9, HUT 78, Molt 4 Clone 8, and CEM x 174.

Propagation: Infect 6 ml of $0.5-1 \times 10^6$ CEMx174 cells/ml with 1 ml virus. Maintain cells at $0.5-1 \times 10^6$ /ml and split twice weekly at 1:3-1:4. Virus production is initially high but decreases over time. Uninfected cells should be added when virus production decreases 10-100x at a ratio of 3-4 uninfected cells to every infected cell. Virus production will subsequently increase in 7-10 days.

Sterility: Negative for aerobic and anaerobic bacteria, mycoplasma, fungi, and yeast.

Description: A lab-adapted SIV virus isolate which utilizes CCR5 co-receptor to infect cells.

Recommended Storage: Liquid nitrogen

Contributor: Dr. Ronald Desrosiers.

References: Daniel MD, Letvin NL, King NW, Kannagi M, Sehgal PK, Hunt RD, Kanki PJ, Essex M, Desrosiers RC. Isolation of T-cell tropic HTLV-III-like retrovirus from macaques. *Science* 228:1201-1204, 1985.

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: SIV_{mac}251/HUT 78 from Dr. Ronald Desrosiers." Also include the reference cited above in any publications.

Available only for non-commercial use. Requests from commercial organizations should be directed to Harvard Medical School Office of Technology Development at the following email address: hms_materialtransfer@harvard.edu.

Last Updated:

April 26, 2023

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