



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	☒ SIVmac186 infected H9 Cells
<b>Catalog Number:</b>	161
<b>Lot Number:</b>	97178
<b>Release Category:</b>	C
<b>Provided:</b>	9 x 10 <sup>6</sup> cells
<b>Propagation Medium:</b>	RPMI 1640 supplemented with 100 U/ml penicillin, and 100 µg/ml streptomycin, 90%; fetal bovine serum, 10%.
<b>Freeze Medium:</b>	Propagation medium, 90%; DMSO, 10%.
<b>Growth Characteristics:</b>	Cells grow as a suspension. Maintain cells at 0.5-1 x 10 <sup>6</sup> /ml and split twice a week at 1:3 to 1:4. Monitor for virus production. Virus production is dramatic when first reseeded, but then decreases. Aliquots of early passage supernatant should be saved and stored in liquid nitrogen. When virus production decreases, mix uninfected CEMx174 cells with infected cells at a ratio of 3:1 or 4:1. Virus production will increase in 7-10 days. Alternately, a thawed 1 ml aliquot of early passage virus can be used to infect 6 ml of 0.5-1 x 10 <sup>6</sup> CEMx174 cells/ml.
<b>Sterility:</b>	Negative for bacteria, mycoplasma, and fungi.
<b>Description:</b>	Virus was isolated from a <i>Macaca fascicularis</i> found to be infected at the New England Regional Primate Center. H9 cells were infected with non-cloned, non-plaque-purified SIV.
<b>Special Characteristics:</b>	Virus grows best in CEMx174 cells.
<b>Recommended Storage:</b>	Keep the reagent in liquid nitrogen. Avoid freeze-thaw cycles as reagent degradation may result.

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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.

**Contributor:** Dr. Ronald Desrosiers.

**References:** Daniel MD, Letvin NL, Sehgal PK, Schmidt DK, Silva DP, Solomon KR, Hodi FS Jr, Ringler DJ, Hunt RD, King NW, Desrosiers RC. Prevalence of antibodies to three retroviruses in a captive colony of macaque monkeys. *Int J Cancer* **41**:601-608, 1988.

Kestler HW III, Li Y, Naidu YM, Butler CV, Ochs MF, Jaenel G, King NW, Daniel MD, Desrosiers RC. Comparison of simian immunodeficiency virus isolates. *Nature* **331**:619-622, 1988.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SIVmac186 infected H9 Cells 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](mailto:hms_materialtransfer@harvard.edu).**

**Last Updated** May 10, 2017

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