



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	☒ SIV BK44 Infected HUT 78 Cells
<b>Catalog Number:</b>	312
<b>Lot Number:</b>	99013
<b>Release Category:</b>	D
<b>Provided:</b>	6 x 10 <sup>6</sup> cells/vial.
<b>Propagation Medium:</b>	RPMI 1640, 90%; fetal bovine serum, 10%.
<b>Freeze Medium:</b>	Ice cold solution of RPMI 1640, 40%; DMSO, 10%; and fetal bovine serum, 50%.
<b>Growth Characteristics:</b>	Cells grow in clumpy suspension. Cellular atypia and giant cell formation occur. Maintain the culture at 10 <sup>5</sup> -10 <sup>6</sup> cells/mL. Passage cells every 3-4 days; doubling time is about 3 days. At time of passage, feed the cells with 50% spent medium and 50% fresh medium. Addition of uninfected cells is not necessary. When thawing these cells, place vial immediately in a 37°C water bath. As soon as the cells have thawed, transfer them into a sterile 12x15 mm polypropylene centrifuge tube, and add fresh complete medium up to 10 mL. Gently resuspend cells, then centrifuge at 1200 rpm for 5 minutes. Aspirate off medium and resuspend cells in fresh, complete medium; centrifuge again for 5 minutes at 1200 rpm. Aspirate off medium, resuspend the cells in complete medium again, and transfer them to a T25 tissue culture flask.
<b>Sterility:</b>	Negative for mycoplasma, bacteria and fungi.
<b>Special Characteristics:</b>	When the cells were initially transfected with SIV BK44, RT activity and cytopathic effects peaked at around day 20 post-infection. RT activity remained elevated for more than 90 days; morphological changes diminished progressively. No significant cytolysis was observed.
<b>Recommended Storage:</b>	Liquid nitrogen.

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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. James I. Mullins.

**References:** Kornfeld H, Riedel N, Viglianti GA, Hirsch V, Mullins JI. Cloning of HTLV-4 and its relation to simian and human immunodeficiency viruses. *Nature* **326**:610-613, 1987.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SIV BK44 Infected HUT 78 Cells from Dr. James Mullins." Also include the reference cited above in any publications.

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