**DATA SHEET**

**Reagent:**

*SIV BK44 Infected HUT 78 Cells*

**Catalog Number:**

312

**Lot Number:**

99013

**Release Category:**

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**Provided:**

$6 \times 10^6$ cells/vial.

**Propagation Medium:**

RPMI 1640, 90%; fetal bovine serum, 10%.

**Freeze Medium:**

Ice cold solution of RPMI 1640, 40%; DMSO, 10%; and fetal bovine serum, 50%.

**Growth Characteristics:**

Cells grow in clumpy suspension. Cellular atypia and giant cell formation occur. Maintain the culture at $10^5$-$10^6$ 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.

**Sterility:**

Negative for mycoplasma, bacteria and fungi.

**Special Characteristics:**

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.

**Recommended Storage:**

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.


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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