



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** ☒ SIV BK28 Infected HUT 78 Cells

**Catalog Number:** 173

**Lot Number:** 99067

**Release Category:** D

**Provided:**  $9 \times 10^6$  cells/ml. Viability is 95%.

**Propagation Medium:** RPMI 1640, 90%; fetal bovine serum, 10%.

**Freeze Medium:** MEM with 50% fetal bovine serum, 90%; DMSO, 10%.

**Growth Characteristics:** The cells grow in single cell suspension. Doubling time is 3 days; passage the cells every 3-4 days. Seeding  $5 \times 10^6$  cells in a  $75\text{cm}^2$  flask yields approximately  $18\text{-}20 \times 10^6$  cells in a week. Addition of fresh, uninfected cells is not necessary to maintain the culture. When thawing, immediately place vial in a  $37^\circ\text{C}$  water bath, transfer cells to a sterile  $12 \times 45$  mm centrifuge tube after 12-45 minutes, add fresh complete medium and centrifuge at 1200 RPM for 5 minutes. The cells do not grow in other media.

**Sterility:** Negative for mycoplasma, bacteria and fungi.

**Description:** HUT 78 Cells infected with SIV BK28.

**Special Characteristics:** BK28 virus causes persistent infection and lymphadenopathy in rhesus macaques. Cellular atypia and giant cell formation occur in infected HUT 78 cells. The plasmid clone pBK28-SIV is available as Catalog #133.

**Recommended Storage:** Liquid nitrogen.

**Contributor:** Dr. James I. Mullins.

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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.

**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 BK28 Infected HUT 78 Cells from Dr. James Mullins." Also include the reference cited above in any publications.

**Last Updated** July 02, 2018

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