



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent:	☒ HIV-2 ST Infected CEMx174 Cells
Catalog Number:	234
Lot Number:	74-142
Release Category:	C
Provided:	1 vial (7.5×10^6 cells)
Cell Type:	Somatic cell hybrid culture between CEM and B cell line 174, both of human origin. They were infected by phage clone pJSP4-27 of HIV-2/ST, which was originally isolated from the PBMC of a healthy Senegalese prostitute. The cells are larger and more oblong than CEM parent cells.
Propagation Medium:	RPMI 1640 supplemented with 2 mM L-glutamine, 100 U/ml penicillin, and 100 μ g/ml streptomycin, 85%; fetal bovine serum, 15%.
Freeze Medium:	RPMI 1640, 40%; fetal bovine serum, 50%; DMSO, 10%.
Growth Characteristics:	Cells grow as a suspension and tend to grow in large clumps which are difficult to dissociate. Passage twice weekly, splitting to $1-2 \times 10^5$ cells/ml. Maximum cell density is $1-2 \times 10^6$. Doubling time is about 18 hours. Fresh cells can be added at a ratio of 1 infected to 2 uninfected.
Sterility:	Negative for bacteria, mycoplasma, mold, and yeast.
Description:	CEMx174 cells infected with HIV-2 ST.
Special Characteristics:	These cells express B cell, T cell, and class II HLA markers. HIV-2 ST is less cytopathic than HIV-2 ROD. Produces moderate to high level of virus as determined by RT assay.
Recommended Storage:	Liquid nitrogen.

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. Beatrice Hahn and Dr. George Shaw.

References: Kong LI, Lee S-W, Kappes JC, Parkin JS, Decker D, Hoxie JA, Hahn BH, Shaw GM. West African HIV-2-related human retrovirus with attenuated cytopathicity. *Science* **240**:1525-1529, 1988.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-2 ST Infected CEMx174 Cells from Dr. Beatrice Hahn and Dr. George Shaw." Also include the reference cited above in any publications.

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