Reagent: HIV-2 ST Infected CEMx174 Cells

Catalog Number: 234

Lot Number: 74-142

Release Category: C

Provided: 1 vial (7.5 x 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 µg/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 x 10^5 cells/ml. Maximum cell density is 1-2 x 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.


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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