



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Clone 1A2 Cells
Catalog Number:	2884
Lot Number:	95051
Release Category:	C
Provided:	1 x 10 ⁷ cells/vial.
Cell Type:	Cytopathic-sensitive clone of CEM-TART (Catalog #1944; see reference below).
Propagation Medium:	RPMI 1640 supplemented with 2 mM L-glutamine and 300 µg/mL geneticin, 90%; fetal bovine serum, 10%.
Freeze Medium:	RPMI 1640, 80%; fetal bovine serum, 10%; DMSO, 10%.
Growth Characteristics:	Cells grow in suspension, singly or in easily dissociated clumps. Geneticin is required to maintain the construct during passaging, but is not necessary for short-term antiviral assays. Split the cells as needed from 1-2 x 10 ⁶ cells/mL to 1-2 x 10 ⁵ cells/mL.
Sterility:	Negative for bacteria, fungi, and mycoplasma.
Description:	CEM-TART cell clone that secretes HIV-1 Rev and Tat proteins.
Special Characteristics:	These cells are especially suited to viability endpoint assays for determining anti-HIV activity with the replication defective HIV-1 strain HIV-1 _{MC99Dtat-rev} (Catalog #1943). Protocol: Titration of MC99 Virus on Clone 1A2 Cells
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. David Clanton.

References: Chen H, Boyle JT, Malim MH, Cullen BR, Lyerly HK. Derivation of a biologically contained replication system for human immunodeficiency virus type 1. *Proc Natl Acad Sci USA* **89**:7678-7682, 1992.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Clone 1A2 Cells from Dr. David Clanton." Also include the reference cited above in any publications.

Requests from commercial organizations should be directed to: Dr. David Clanton, SAIC Frederick, Building 431, FCRDC, Frederick, MD 21702.

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