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:	☥ SIVmac316 infected CEMx174 Cells (3D8)
Catalog Number:	13239
Lot Number:	170223
Release Category:	C
Provided:	1 mL of cells Post thaw cell count = 6.2 x 10^6 cells/mL Post thaw cell viability = 93%
Cell Type:	Fusion product of human B cell line 721.174 and human T cell line CEM
Propagation Medium:	Donor Provided Propagation Media: RPMI 1640, 90%; heat inactivated fetal bovine serum, 10%
Freeze Medium:	Donor Provided Freeze Media: Heat inactivated fetal bovine serum, 90%; 0.2 micron filtered DMSO, 10% Current Freeze Media: Recovery™ Cell Culture Freezing Medium (ThermoFisher Scientific Cat# 12648010)
Growth Characteristics:	The cells are thawed and grown as CEM cells. They require no special procedures to be maintained in a suspension culture.
Morphology:	Suspension, Lymphocyte-like
Sterility:	Negative for mycoplasma, bacteria, and fungi
Description:	A CEMx174 cell line with a single copy of SIV proviral DNA

Special Characteristics:	CEM x174 cells were infected with SIVmac316 at a multiplicity of infection of 0.01. Single cells were sorted into 96-well plates; a total of 76 clones containing proviral DNA were obtained from 384 individual wells. Southern blotting of restricted genomic DNA was performed to determine the copy number(s) of SIV proviral DNA in each cell. This clone produces no detectable virus. Applications: qPCR
Recommended Storage:	Keep the reagent in liquid nitrogen.
Contributor:	Dr. Mario Roederer and Dr. Joseph Mattapallil
References:	Mattapallil, J. J., Douek, D. C., Hill, B., Nishimura, Y., Martin, M., & Roederer, M. (2005). Massive infection and loss of memory CD4+ T cells in multiple tissues during acute SIV infection. Nature, 434(7037), 1093-1097. doi:10.1038/nature03501 PUBMED
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SIVmac316 infected CEMx174 Cells (3D8) from Dr. Mario Roederer and Dr. Joseph Mattapallil." Also include the reference cited above in any publications. **Scientists at for-profit institutions or who intend commercial use of this reagent must contact the Technology Transferand Intellectual Property Office , Email: NIAIDAIDSReagent@niaid.nih.gov , before the reagent can be released. Please specify the name and a description of the intended use of the reagent.**
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