



## 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

<b>Reagent:</b>	CEM-GFP Cells
<b>Catalog Number:</b>	3655
<b>Lot Number:</b>	160062
<b>Release Category:</b>	E
<b>Provided:</b>	1 mL of cells 4.2 x 10 <sup>6</sup> cells/vial Viability = 50% post-thaw, 93% day 8 post-thaw.
<b>Cell Type:</b>	Derived from CEM. CEM cells are lymphoblasts isolated from the peripheral blood buffy coat collected from a female child with acute leukemia.
<b>Propagation Medium:</b>	RPMI 1640 medium with 10% fetal bovine serum, 1% penicillin-streptomycin (GIBCO BRL cat# 15140-122), 1% 200 mM L-glutamine (GIBCO BRL cat# 25030-081) and 500 µg/ml G418.
<b>Freeze Medium:</b>	Fetal bovine serum, 90%; DMSO, 10%.
<b>Growth Characteristics:</b>	Cells grow in suspension. Split weekly 1:10 for routine maintenance.
<b>Sterility:</b>	Negative for mycoplasma, bacteria, and fungi.
<b>Description:</b>	CEM cells that express GFP upon HIV-1 infection driven by the HIV-1 NL4-3 LTR.
<b>Special Characteristics:</b>	Neomycin-resistant indicator cells. CEM-GFP Cells can be used to monitor infection with HIV-1 (CXCR4, SI strains), and HIV-2. Productive infection will generate green fluorescent protein (GFP).

[Protocol for use of the CEM-GFP reporter cell line](#)

---

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.

**Recommended Storage:** Liquid nitrogen.

**Contributor:** Dr. Jacques Corbeil.

**References:** Gervais A, West D, Leoni LM, Richman DD, Wong-Staal F, Corbeil J. A new reporter cell line to monitor HIV infection and drug susceptibility in vitro. *Proc Natl Acad Sci USA* **94**:4653-4658, 1997.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: CEM-GFP Cells from Dr. Jacques Corbeil." Also include the reference cited above in any publications.

**Limited to one aliquot per laboratory.**

**Available for non-commercial use. A patent application has been filed on this reagent. Requests from commercial organizations should be directed to the UCSD Technology Transfer Office, TEL: (858) 534-5815, FAX (858-534-7345.**

**Recipient must not use or incorporate the reagent for commercial purposes.**

**Last Updated** November 13, 2017

---

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.