



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	CEM CD4+ Cells
<b>Catalog Number:</b>	117
<b>Lot Number:</b>	080118
<b>Release Category:</b>	B
<b>Provided:</b>	1.48 x 10 <sup>6</sup> cells/mL. Viability is 95%.
<b>Propagation Medium:</b>	MEM, 90%; fetal bovine serum, 10%; antibiotic free.
<b>Freeze Medium:</b>	Propagation medium, 95%; DMSO, 5%; antibiotic free.
<b>Growth Characteristics:</b>	Cells are grown in suspension. An inoculum of 10 <sup>5</sup> cells/ml will increase four to five fold in 4-5 days when incubated at 37°C, providing pH is maintained at 7.0 and fresh medium is added every other day. Maintenance of the cell population at 10 <sup>6</sup> cells/ml is optimal for growth.
<b>Morphology:</b>	Lymphoblast-like
<b>Sterility:</b>	Negative for bacteria, mycoplasma and fungi.
<b>Description:</b>	Human T lymphoblastoid cell line.
<b>Special Characteristics:</b>	This cell line (originally called CEM-T4) is a naturally isolated subclone of the CEM line with high levels of surface CD4 expression.
<b>Recommended Storage:</b>	Liquid nitrogen.
<b>Contributor:</b>	Dr. J.P. Jacobs.

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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.

**References:**

Foley GE, Lazarus H, Farber S, Uzman BG, Boone BA, McCarthy RE. Continuous culture of human lymphoblasts from peripheral blood of a child with acute leukemia. *Cancer* **18**:522-529, 1965.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: CEM CD4+ Cells from Dr. J.P. Jacobs." Also include the reference cited above in any publications.

**Last Updated**

July 23, 2015

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