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DATA SHEET

Reagent:	CEM CD4+ Cells
Catalog Number:	117
Lot Number:	3
Release Category:	B
Provided:	3.5 x 10^5 cells. If two vials are provided, they should be combined and grown simultaneously.
Propagation Medium:	MEM, 90%; fetal bovine serum, 10%; antibiotic free.
Freeze Medium:	Propagation medium, 95%; DMSO, 5%; antibiotic free.
Growth Characteristics:	Cells are grown in suspension. An inoculum of 10^5 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 10^6 cells/ml is optimal for growth.
Morphology:	Lymphoblast-like
Sterility:	Negative for bacteria, mycoplasma, fungi, and protozoa.
Description:	Human T lymphoblastoid cell line.
Special Characteristics:	This cell line (originally called CEM-T4) is a naturally isolated subclone of the CEM line with high levels of surface CD4 expression.
Recommended Storage:	Liquid nitrogen.

Contributor:	Dr. J.P. Jacobs.
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