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DATA SHEET

Reagent:	174xCEM Cells
Catalog Number:	272
Lot Number:	098242
Release Category:	D
Provided:	9.5 x 10^6 cells/mL. Viability, 98.3%.
Cell Type:	Fusion product of human B cell line 721.174 and human T cell line CEM.
Propagation Medium:	Iscove's Modified Dulbecco's Medium, 90%; fetal bovine serum, 10%. Also RPMI 1640, 90%; fetal bovine serum, 10%.
Freeze Medium:	Propagation medium, 90%; DMSO, 10%.
Growth Characteristics:	Cells grow in clumps. They express both T and B cell markers, including CD4. Passage cells twice weekly to maintain a concentration of 0.5-2 x 10^6 cells/ml.
Morphology:	Hybrid cells are larger than CEM and appear oblong.
Sterility:	Negative for bacteria, fungi, and mycoplasma.
Special Characteristics:	This line has been found to be particularly useful for studies with SIV as it can be infected easily with that virus.
Recommended Storage:	Liquid nitrogen.
Contributor:	Dr. Peter Cresswell.

References:	Salter RD, Howell DN, Cresswell P. Genes regulating HLA class-I antigen expression in T-B lymphoblast hybrids. *Immunogenetics* **21**:235-246, 1985.
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: 174xCEM Cells from Dr. Peter Cresswell." Also include the reference cited above in any publications. **Scientists at for-profit institutions or who intend commercial use of this reagent must contact Dr. Peter Cresswell at email address peter.cresswell@yale.edu and specify in the email the name of the reagent and a description of the intended use of the reagent.**
Last Updated	August 12, 2015