



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	174xCEM Cells
<b>Catalog Number:</b>	272
<b>Lot Number:</b>	130358
<b>Release Category:</b>	D
<b>Provided:</b>	1 mL of $4.6 \times 10^6$ cells/mL. Viability, 72%.
<b>Cell Type:</b>	Fusion product of human B cell line 721.174 and human T cell line CEM.
<b>Propagation Medium:</b>	Iscove's Modified Dulbecco's Medium, 90%; fetal bovine serum, 10%. Also RPMI 1640, 90%; fetal bovine serum, 10%.
<b>Freeze Medium:</b>	Propagation medium, 90%; DMSO, 10%.
<b>Growth Characteristics:</b>	Cells grow in clumps. They express both T and B cell markers, including CD4. Passage cells twice weekly to maintain a concentration of $0.5-2 \times 10^6$ cells/ml.
<b>Morphology:</b>	Hybrid cells are larger than CEM and appear oblong.
<b>Sterility:</b>	Negative for bacteria, fungi, and mycoplasma.
<b>Special Characteristics:</b>	This line has been found to be particularly useful for studies with SIV as it can be infected easily with that virus.
<b>Recommended Storage:</b>	Liquid nitrogen.
<b>Contributor:</b>	Dr. Peter Cresswell.

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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:** 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](mailto: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** October 01, 2020

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