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DATA SHEET

Reagent:	CEM.NKR CCR5+ Cells
Catalog Number:	4376
Lot Number:	110098
Release Category:	A
Provided:	4.1 x 10 ⁶ cells/vial. Viability is 78%.
Cell Type:	CEM cells - human CD4+ lymphoblasts.
Propagation Medium:	RPMI 1640, 90%; fetal bovine serum, 10%. Supplement with 2 mM L-glutamine. (Note: There was a previous typo that listed 200 mM L-glutamine).
Freeze Medium:	Propagation medium, 90%; DMSO, 10%.
Growth Characteristics:	Cells grow in suspension as single cells with small clumps. Split 1:10 twice weekly.
Morphology:	Round lymphoid cells, morphology not very variable.
Sterility:	Negative for bacteria, fungi, and mycoplasma.
Description:	CEM.NKR cells that express human CCR5.
Special Characteristics:	<p>CEM.NK^R cells (cat# 458) are CEM cells that are resistant to NK cell-mediated cell lysis. These cells were transduced with a retroviral vector to express human CCR5.</p> <p>Cells do not secrete infectious virus. Suitable for infection with primary HIV isolates.</p> <p>Alternate names: CEM.NKR-CCR5</p>

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. Alexandra Trkola.
References:	<p>Howell DN, Andreotti JR, Cresswell P. Natural killing target antigens as inducers of interferon; studies with an immunoselected, natural-killing-resistant human T-lymphoblastoid cell line. <i>J Immunol</i> 134:971-976, 1985.</p> <p>Lyerly HK, Reed DL, Matthews TJ, Langlois AJ, Ahearne PA, Petteway SR, Weinhold KJ. Anti-gp120 antibodies from HIV seropositive individuals mediate broadly reactive anti-HIV ADCC. <i>AIDS Res Hum Retroviruses</i> 3:409-422, 1987.</p> <p>Trkola A, Matthews J, Gordon C, Ketas T, Moore JP. A cell line-based neutralization assay for primary human immunodeficiency virus type 1 isolates that use either the CCR5 or CXCR4 coreceptor. <i>J Virol</i> 73:8966-8974, 1999.</p>
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: CEM.NK ^R CCR5+ Cells from Dr. Alexandra Trkola." Also include the references cited above in any publications.
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