



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	U87 CD4+ Clone 2 Cells
Catalog Number:	2187
Lot Number:	070509
Release Category:	B
Provided:	1.22 x 10 ⁷ cells/mL. Viability is 94%.
Cell Type:	Human astrogloma cells.
Propagation Medium:	DMEM, 90%; fetal or newborn bovine serum, 10%.
Freeze Medium:	Propagation medium, 40%; fetal bovine serum, 50%; DMSO, 10%.
Morphology:	Morphology is epithelial-like.
Sterility:	Negative for Bacteria, fungi, and mycoplasma.
Description:	U87MG cells that express high levels of CD4 and are permissive to infection by HIV-2 and SIV, but not HIV-1.
Special Characteristics:	Parental U87MG cells were transformed with a retroviral vector containing human CD4 and neomycin resistance genes.
Recommended Storage:	Liquid Nitrogen
Contributor:	Dr. Bruce Chesebro. Distributed with the permission of Dr. Jan Ponten, University and Hospital of Upsala, Sweden.

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:

Dragic T, Alizon M. Different requirements for membrane fusion mediated by the envelopes of human immunodeficiency virus types 1 and 2. *J Virol* **67**:2355-2359, 1993.

Chesebro B, Buller R, Portis J, Wehrly K. Failure of human immunodeficiency virus entry and infection in CD4-positive human brain and skin cells. *J Virol* **64**:215-221, 1990.

Ponten J, MacIntyre EH. Long-term culture of normal and neoplastic human glia. *Acta Pathol Microbiol* **74**:465-486, 1968.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: U87 CD4+ Cells (Clone 2) from Dr. Bruce Chesebro." Also include the reference cited above in any publications.

Last Updated

July 02, 2018

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