



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	U373-MAGI Cells
Catalog Number:	3595
Lot Number:	130364
Release Category:	B
Provided:	4.70 x 10 ⁶ cells/mL. Viability 95%.
Cell Type:	U373MG cells
Propagation Medium:	DMEM 90%; fetal bovine serum, 10%; 0.2 mg/ml G418; 0.1 mg/ml hygromycin B.
Freeze Medium:	Propagation medium, 90%; DMSO, 10%.
Growth Characteristics:	Adherent cell line; split 1:5 once or twice per week. The cells do not grow well when split too thinly.
Sterility:	Negative for mycoplasma, bacteria and fungi.
Description:	U373MG cells expressing CD4
Special Characteristics:	These cells can be used as a control in a focal immunoassay for titration of HIV-1, HIV-2, and SIV isolates. CD4 is linked to neo ^r and the HIV-1-LTR-β-Gal sequence linked to hygro ^r .
	Reference Protocol: Protocol: Determining coreceptor usage of virus isolates
Recommended Storage:	Liquid nitrogen.

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.

Contributor: Dr. Michael Emerman and Dr. Adam Geballe.

References: Vodicka MA, Goh WC, Wu LI, Rogel ME, Bartz SR, Schweickart VL, Raport CJ, Emerman M. Indicator cell lines for detection of primary strains of human and simian immunodeficiency viruses. *Virology* **233**:193-198, 1997.

Harrington RD, Geballe AP. Cofactor requirement for human immunodeficiency virus type 1 entry into a CD4-expressing human cell line. *J Virol* **67**:5939-5947, 1993.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: U373-MAGI from Dr. Michael Emerman and Dr. Adam Geballe." Also include the references cited above in any publications.

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