



## NIH AIDS Reagent Program

20301 Century Boulevard  
Building 6, Suite 200  
Germantown, MD 20874  
USA

Phone: 240 686 4740  
Fax: 301 515 4015  
aidsreagent.org

### DATA SHEET

<b>Reagent:</b>	U373-MAGI Cells
<b>Catalog Number:</b>	3595
<b>Lot Number:</b>	070574
<b>Release Category:</b>	B
<b>Provided:</b>	1.1 x 10 <sup>6</sup> cells/mL. Viability 96%.
<b>Cell Type:</b>	U373MG cells
<b>Propagation Medium:</b>	DMEM 90%; fetal bovine serum, 10%; 0.2 mg/ml G418; 0.1 mg/ml hygromycin B.
<b>Freeze Medium:</b>	Propagation medium, 90%; DMSO, 10%.
<b>Growth Characteristics:</b>	Adherent cell line; split 1:5 once or twice per week. The cells do not grow well when split too thinly.
<b>Sterility:</b>	Negative for mycoplasma, bacteria and fungi.
<b>Description:</b>	U373MG cells expressing CD4
<b>Special Characteristics:</b>	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 <sup>r</sup> and the HIV-1-LTR-β-Gal sequence linked to hygro <sup>r</sup> .
	<b>Reference Protocol:</b> <a href="#">Protocol: Determining coreceptor usage of virus isolates</a>
<b>Recommended Storage:</b>	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.

**Last Updated** July 03, 2018

---

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.