



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** U373-MAGI-CXCR4 Cells

**Catalog Number:** 3596

**Lot Number:** 098246

**Release Category:** B

**Provided:**  $2.6 \times 10^6$  cells/ml. Viability is 99%.

**Cell Type:** U373-MAGI cells

**Propagation Medium:** DMEM 90%; fetal bovine serum, 10%; 0.2 mg/ml G418; 0.1 mg/ml hygromycin B; and 1.0  $\mu$ g/ml puromycin.

**Freeze Medium:** Propagation medium, 90%; DMSO, 10%.

**Growth Characteristics:** Adherent cell line; split 1:5 once or twice per week. Do not culture continuously for more than 20 passages; freeze many early passage aliquots for later use.

**Sterility:** Negative for mycoplasma, bacteria and fungi.

**Description:** U373-MAGI cells expressing a modified CEM-derived CXCR4 gene linked to a puromycin resistance gene.

**Special Characteristics:** These indicator cells can be used in a focal immunoassay for titration of HIV-1, HIV-2, and SIV isolates.

[Protocol:titering and determining coreceptor usage of viral isolates](#)

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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.

**Recommended Storage:** Liquid nitrogen

**Contributor:** Dr. Michael Emerman.

**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.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: U373-MAGI-CXCR4 CEM Cells from Dr. Michael Emerman." Also include the reference cited above in any publications.

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