



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

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| Reagent: | U373-MAGI-CCR5E Cells |
| Catalog Number: | 3597 |
| Lot Number: | 050802 |
| Release Category: | B |
| Provided: | 5.5 x 10 ⁶ cells/vial and viability is 94%. |
| 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 µg/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 CCR5 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 |
| 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

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-CCR5E Cells from Dr. Michael Emerman." Also include the references cited above in any publications.

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