



## NIH AIDS Reagent Program

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### DATA SHEET

|                                 |  |
|---------------------------------|--|
| <b>Reagent:</b>                 | THP-1 Cells  |
| <b>Catalog Number:</b>          | 9942   |
| <b>Lot Number:</b>              | 110137   |
| <b>Release Category:</b>        | C  |
| <b>Provided:</b>                | 3.1 x 10 <sup>6</sup> cells/vial and viability is 98%.   |
| <b>Cell Type:</b>               | Human monocytic cell line  |
| <b>Propagation Medium:</b>      | RPMI 1640, 90%; fetal bovine serum, 10% supplemented with 1.0 mM sodium pyruvate, 0.05 mM 2-mercaptoethanol.   |
| <b>Freeze Medium:</b>           | RPMI 1640, 70%; fetal bovine serum, 20%; DMSO, 10%.  |
| <b>Growth Characteristics:</b>  | Suspension cell line. This is a slowly growing cell line.  |
| <b>Morphology:</b>              | Monocytic  |
| <b>Sterility:</b>               | Negative for mycoplasma, bacteria and fungi.   |
| <b>Description:</b>             | Human monocytic cell line originally obtained from the ATCC.   |
| <b>Special Characteristics:</b> | Used as the parental line in deriving THP-1 DC-SIGN cells (cat# 9943). THP-1 cells express low levels of endogenous DC-SIGN. This line also expresses CD4 and can be infected by X4-tropic HIV.<br><br>Note: Previously referred to as THP-1 ATCC Cells. |

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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:** Drs. Li Wu and Vineet N. KewalRamani, HIV Drug Resistance Program, NCI.

**References:** Wu L, Martin TD, Carrington M, KewalRamani VN. Raji B cells, misidentified as THP-1 cells, stimulate DC-SIGN-mediated HIV transmission. *Virology* **318**:17-23, 2004.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: THP-1 Cells from Drs. Li Wu and Vineet N. KewalRamani." Also include the reference cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact: Dr. Jeffrey W. Thomas, NCI Technology Transfer Center, ATRF Room E3202, PO Box B, Frederick, MD 21701, Email: jeffreyt@mail.nih.gov, Tel: (301) 846-5465, Fax: (301) 846-6820, before the reagent can be released. Tel: 301-846-5465**

**Last Updated** October 01, 2018

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