



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	THP-1 Cells
Catalog Number:	9942
Lot Number:	041235
Release Category:	C
Provided:	3.6 x 10 ⁶ cells/vial and viability is 96%.
Cell Type:	Human monocytic cell line
Propagation Medium:	RPMI 1640, 90%; fetal bovine serum, 10% supplemented with 1.0 mM sodium pyruvate, 0.05 mM 2-mercaptoethanol.
Freeze Medium:	RPMI 1640, 70%; fetal bovine serum, 20%; DMSO, 10%.
Growth Characteristics:	Suspension cell line. Doubling time of approximately 24 hours.
Morphology:	Monocytic
Sterility:	Negative for mycoplasma, bacteria and fungi.
Special Characteristics:	Human monocytic cell line obtained from the ATCC. 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. This is a slowly growing cell line. Note: Previously referred to as THP-1 ATCC Cells.
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: 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

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