



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	THP-1 Cells
Catalog Number:	9942
Lot Number:	150247
Release Category:	A
Provided:	1 mL of cells at 5.4×10^6 cells/mL. The viability is 61%.
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. This is a slowly growing cell line. Viability rapidly recovers post-thaw.
Morphology:	Monocytic
Sterility:	Negative for mycoplasma, bacteria and fungi
Description:	Human monocytic cell line originally obtained from the ATCC.
Special Characteristics:	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. Note: Previously referred to as THP-1 ATCC Cells.

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, T. D., Carrington, M., & KewalRamani, V. N. (2004). Raji B cells, misidentified as THP-1 cells, stimulate DC-SIGN-mediated HIV transmission. *Virology*, 318(1), 17-23. doi:10.1016/j.virol.2003.09.028 [PUBMED](#)

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.

Last Updated October 01, 2018

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