Reagent: THP-1 Cells

Catalog Number: 9942

Lot Number: 098118

Release Category: C

Provided: 1.58 x 10^6 cells/vial and viability is 97%.

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.


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