Reagent: THP-1 Cells

Catalog Number: 9942

Lot Number: 170178

Release Category: A

Provided: 1 mL of cells

Post thaw cell count = 2.4 x 10^6 cells/mL

Post thaw cell viability = 69%

Cell viability increased to 87% after 3 days in culture.

Cell Type: Human monocytic leukemia cell line

Propagation Medium: RPMI 1640, 90%; fetal bovine serum, 10%; 1.0 mM sodium pyruvate; 0.05 mM 2-mercaptoethanol

Freeze Medium: Donor Provided Freeze Media: RPMI 1640, 70%; fetal bovine serum, 20%; DMSO, 10%

Current Freeze Media: RPMI 1640, 50%; fetal bovine serum, 40%; DMSO, 10%

Growth Characteristics: This is a slow growing cell line.

Morphology: Suspension, Monocyte cell line

Sterility: Negative for mycoplasma, bacteria and fungi

Description: A human monocyte cell line

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.
**Special Characteristics:** Derived from the peripheral blood of an 1 year old boy with acute monocytic leukemia, this cell line expresses CD4 and utilizes CXCR4 as a co-receptor. It has Fc and C3b receptors, but does not have surface or cytoplasmic immunoglobulins. THP-1 Cells express low levels of endogenous DC-SIGN, and are used as a parental line in deriving THP-1 DC-SIGN+ Cells (cat# 9943).

Note: Previously referred to as THP-1 ATCC Cells.

**Recommended Storage:** Keep the reagent in liquid nitrogen.

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

**References:**


**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 (cat# 9942)." Also include the reference cited above in any publications.

**Last Updated** January 10, 2020