

ANTIGENIX AMERICA inc.

PRODUCT INFORMATION SUMMARY

Mouse LIF

(Leukemia Inhibitory Factor)

PRODUCT NUMBER	RC444024B	25.0 ug
	RC444024A	5.0 ug

DESCRIPTION:

Mouse Leukemia Inhibitory Factor (LIF) is a lymphokine which suppresses spontaneous differentiation and exerts long-term maintenance of embryonic stem cells. LIF has other effects on many cell lines including mitogenesis and promotion of megakaryocyte production. Mouse LIF has molecular weight of 20.0 kDa with 181 amino acid residues.

NOT X-reactive in human cells due to inability to bind human LIF receptors.

SOURCE:

E. Coli
Purity greater than 98% by HPLC analysis
Endotoxin level < 0.1 ng per ug mouse LIF.

HANDLING AND STORAGE:

Provided as lyophilized, additive-free.
Reconstitute with 50.0 - 100.0 uL sterile or distilled water.
Mouse LIF should be further diluted in PBS or other buffered solutions **containing protein carrier** (0.1% BSA). Store aliquots @ -20 Deg. C for long-term storage.

BIOACTIVITY:

Fully biologically active as compared to standards. Specific activity corresponding to 2×10^7 units/mg. Units as determined by M1 (Myeloid Leukemic Cells) cell differentiation assay.
Half maximal activity measured with approx. 0.05 ng/mL.

www.antigenix.com

Manufactured under **patent** 5,187,077, European **patent** 0285448

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