



PRODUCT INFORMATION SUMMARY

Human LIF

(Leukemia Inhibitory Factor)

PRODUCT NUMBER HC88832 Purified factor 10 ug

DESCRIPTION:

Human 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. Human LIF has molecular weight of 19.7 kDa with 180 amino acid residues.

SOURCE:

E. Coli

Purity greater than 95% by HPLC analysis

Endotoxin level < 0.1 ng per ug human LIF.

HANDLING AND STORAGE:

Provided as lyophilized protein, additive-free. Human LIF should be reconstituted in sterile water to concentration of 100 ug/mL. Further dilute in PBS or other buffered solutions **containing protein carrier** (1% BSA or Tween 20). This can be stored in small aliquots (**undiluted**) frozen at -20° C. Avoid freeze-thaw cycles.

Microcentrifuge before reconstitution. Because ANTIGENIX AMERICA factors are provided carrier-protein free, the small quantities of lyophilized protein can adhere to the sides of the vial. **Before opening vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

BIOACTIVITY:

Fully biologically active as compared to standards. Specific activity corresponding to 1×10^8 units/mg. Units as determined by M1 cell differentiation assay.

WARRANTY: Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

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