

Porcine GM-CSF

Synonyms: CSF-2, MGI-1GM, GM-CSF, Pluripoietin-alpha, Molgramostin, Sargramostim.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
50 µg	1450.920.005		
100 µg	1450.920.020		
1 mg	1450.920.199		

Please enquire for bulk quantities and other vial sizes

Description

Recombinant Porcine Granulocyte Macrophage-Colony Stimulating Factor produced in *E. Coli* is a non-glycosylated monomer chain containing 128 amino acids and having a molecular mass of 14.5kDa.

- **Biological Activity** 2.2 x 10⁵ units/mg
- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The protein was lyophilized from a sterile (0.2µm) filtered solution containing 10mM sodium phosphate, pH 7.5*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀, as determined by TF-1 cell proliferation is 4.52ng/ml corresponding to a specific activity which is 2.2 x 10⁵ units/mg.

Reconstitution

It is recommended to reconstitute the lyophilized GMCSF in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized GMCSF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GMCSF should be stored at 4°C between 2-7 days and for future use below -18°C. **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MAPTRPPSPV TRPWQHVD AI KEALSLNNS NDTAAVMNET VDVVCEMFDP QEPTCVQTRL NLYKQGLRGS
 LTRLKSPLTL LAKHYEQHCP LTEETSCETQ SITFKSFKDS LNKFLFTIPF DCWGPVKK

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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