

Centre for AIDS Reagents

Data Sheet

NAME:	GM-CSF (Human)
REPOSITORY REFERENCE:	ARP971
DESCRIPTION:	Human Granulocyte monocyte colony growth factor produced in <i>E. coli</i> and purified via sequential chromatography.
USE:	ED ₅₀ range = 0.02 to 0.1 ng/ml, determined by the dose dependent proliferation of human TF-1 cells. Optimal concentration for individual application should be determined by a dose response assay.
STERILITY:	Filtered prior to lyophilization through a 0.22 micron sterile filter.
ENDOTOXIN:	<0.1 ng/μg
PRESENTATION:	10μg
RECONSTITUTION:	We recommend that the vial be briefly centrifuged prior to opening to bring the contents to the bottom. Lyophilized recombinant human GM-CSF should be reconstituted in sterile, distilled water to 0.1-1.0 mg/ml to regain full activity. These stock solutions should be aliquoted into working aliquots and stored at = -20°C. Further dilutions should be made in medium or buffered solution containing carrier protein, such as PBS with 0.1% BSA.
STORAGE:	Lyophilized human GM-CSF should be stored at 2-8°C, preferably desiccated. Store reconstituted human GM-CSF at = -20°C (not in a frost-free freezer). Keep freeze-thaw cycles to a minimum.
SOURCE:	Invitrogen, GIBCO product.
NOTE:	Only one vial per laboratory. Europrise members are exempt from restriction. (Additional vials can be obtained directly from Invitrogen, catalogue number PCH2015)

ACKNOWLEDGEMENT:

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Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)