

**ANTIGENIX AMERICA Inc.**  
**1-800-558-1008**  
**PRODUCT INFORMATION SUMMARY**

**Human G-CSF**

PRODUCT NUMBER	HC88821B	Purified factor	10 ug
	HC88821A	Purified factor	2 ug

**DESCRIPTION:**

Human Granulocyte Colony-Stimulating Factor (G-CSF) is a growth factor that stimulates bone marrow cells, especially neutrophils. Human G-CSF has molecular weight of 18.7 kDa with 174 amino acid residues.

**SOURCE:** E. Coli

Purity greater than 98% by HPLC analysis

Endotoxin level < 0.1 ng per ug G-CSF.

Sterile-filtered from 5 mM Sodium Citrate, pH 4.0, lyophilized and additive-free.

**HANDLING AND STORAGE:**

Provided as lyophilized protein. Human G-CSF should be reconstituted in sterile or distilled water to concentration of 100 ug/mL. Further dilute in PBS or other buffered solutions. This can be stored in small aliquots at -20° C. for long-term storage. **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  $1 \times 10^7$  units/mg. Units as determined by dose dependant stimulation of murine M-NSF-60 cells

**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.

**FOR RESEARCH USE ONLY. NOT FOR THERAPEUTIC OR DRUG USE.**