

ANTIGENIX AMERICA inc.

## PRODUCT INFORMATION SUMMARY

### Rat G-CSF

Purified Factor	Product Number	RC333195B	10.0 ug
		RC333195A	2.0 ug

#### DESCRIPTION:

**Rat** Granulocyte-Colony Stimulating Factor (G-CSF) is species-specific growth factor for bone marrow neutrophils. G-CSF stimulates precursors of neutrophils and can activate and enhance survival of mature neutrophils. Rat G-CSF has molecular weight of 21.6 kDa, and 19r aa. residues.

**SOURCE:** E. Coli, sterile-filtered, lyophilized  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug Rat G-CSF

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**  
Specific activity of 0.05 ng/mL, as determined by dose dependent stimulation of murine M-NFS-60 cells corresponding to specific activity of  $2 \times 10^7$  units/mg.

#### HANDLING AND STORAGE:

Purified **Rat** G-CSF factor is provided lyophilized from 10mM Na Citrate, pH 4.0., and free of additives. Store lyophilized, at -20° C. Reconstitute with **sterile or distilled water** to a concentration of 100 ug/mL, then further dilute in PBS or other buffered solutions. Store small aliquots at -20° C for long-term storage, at high concentration.

**Microcentrifuge before reconstitution.** Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

**RESEARCH USE ONLY -NOT for DRUG USE**

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