



CERTIFICATE OF ANALYSIS

Granulocyte Macrophage Colony Stimulating Factor

GM-CSF

Human Recombinant

(Catalog Number 300-124P)

Lot Number: G03G40Y

Date Received: _____

Storage Temperature: $\leq -10^{\circ}\text{C}$

Product Expiry*: _____

For Cell culture, Further Manufacturing or Research use Only. Not for Direct Therapeutic Use.

*Expiration Date is one year from the date of receipt when stored at -20 to -80°C

Test	Methodology	Analysis
Biological Testing		
Endotoxin	LAL	0.10EUs/ μg
Biological Testing		
Purity	Reducing and Non-Reducing PAGE	>95%
Biological Activity ED ₅₀	TF-1 cell proliferation	ED ₅₀ =130 $\mu\text{g}/\text{mL}$ (7.7×10^6 units/mg)

The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and has confirmed that the testing meets the specifications presented on this Certificate of Analysis.

Jacqueline Wilson
Name

QA Associate III
Title

08 JAN 2022
Date