



Granulocyte Monocyte-Colony Stimulating Factor, Plasma

Test ID: GMCSF

Useful for:

Measuring the concentration of granulocyte macrophage-colony stimulating factor (GM-CSF) in plasma

Understanding the etiology of chronic inflammatory diseases or infections, when used in conjunction with clinical information and other laboratory testing

Research studies in which an assessment of the GM-CSF response is needed

Methods:

Bead-Based Multiplex Immunoassay

Reference Values:

<15.0 pg/mL

Specimen Requirements:

Container/Tube: Lavender-top (EDTA)

Submission Container/Tube: Plastic vial

Specimen Volume: 0.5 mL

Collection Instructions:

1. Immediately after specimen collection, place tube on wet ice.
2. Centrifuge at 1500 x g for 10 minutes and aliquot plasma into plastic vial.
3. Freeze specimen within 2 hours of collection.

Minimum Volume: 0.3 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Plasma EDTA	Frozen	21 days

Cautions:

Results from granulocyte macrophage-colony stimulating factor (GM-CSF) testing should not be used to establish or exclude a specific diagnosis.

GM-CSF testing should only be used in conjunction with clinical information and other laboratory testing as part of a patient's overall assessment.

Normal concentration of GM-CSF does not exclude the possibility of infection or other inflammatory condition.

GM-CSF concentrations could be affected by immunomodulatory agents.

GM-CSF is a myelopoietic growth factor with pleiotropic effects; a comprehensive cytokine evaluation, such as CYPAN / Cytokine Panel, Plasma may be more useful in overall disease assessment or pathophysiology.

CPT Code:

83520

Day(s) Performed: Wednesday

Report Available: 2 to 8 days

Note:

The following referral test code(s) will become obsolete.

Test Name	Test ID	Referral Lab Code	Referral Lab
Granulocyte Macrophage Colony Stimulating Factor (blood)	ZW61	LAB6618	University of Minnesota

Questions

Contact Amy Ennis, Laboratory Resource Coordinator at 800-533-1710.