

Glial Fibrillary Acidic Protein (GFAP), Plasma

Test ID: GFAPP

Useful for:

As a biomarker of astrocyte activation related to brain injury and various neurological disorders.

Methods:

Chemiluminescent Enzyme Immunoassay (CLEIA)

Reference Values:

<40 years: < or =32.6 pg/mL

40-49 years: < or =50.5 pg/mL

50-59 years: < or =67.5 pg/mL

60-69 years: < or =90.3 pg/mL

> or = 70 years: < or =120.8 pg/mL

Specimen Requirements:

Patient Preparation:

Fasting: 8 hours, required

Supplies: Sarstedt Aliquot Tube, 5 mL (T914)

Collection Container/Tube: Lavender top (EDTA)

Submission Container/Tube: Plastic Vial

Specimen Volume: 1 mL plasma

Collection Instructions: Centrifuge and aliquot plasma into a plastic vial.

Minimum Volume: 0.75 mL plasma

Specimen Stability Information:

Specimen Type	Temperature	Time
EDTA Plasma	Refrigerated (preferred)	14 days
	Ambient	72 hours
	Frozen	90 days

Cautions:

Glial fibrillary acidic protein results must be interpreted in conjunction with other diagnostic tools, such as neurological examination, neurobehavioral tests, imaging, and routine laboratory tests.

Results obtained with different assay methods or kits may be different and cannot be used interchangeably.

All immunometric assays can, on rare occasions, be subject to a hooking effect at extremely high analyte concentrations (false-low results), heterophilic antibody interference (false-high results), or autoantibody interference (unpredictable effects). If the laboratory result does not fit the clinical picture, these possibilities should be considered.

CPT Code:

83520

Day(s) Performed: Wednesday

Report Available: 1 to 9 days

Questions

Contact Bethany Feind, Laboratory Resource Coordinator at 800-533-1710.