MAYO CLINIC LABORATORIES

Test Definition: PSF

Protein S Antigen, Free, Plasma

Reporting Title: Protein S Ag, Free, P
Performing Location: Rochester

Specimen Requirements:

Only orderable as part of a profile, see PSTF / Protein S Antigen, Plasma.

Specimen Type: Platelet-poor plasma
Patient Preparation: Patient must not be receiving heparin or Coumadin. If the patient is being treated with Coumadin, this should be noted. Coumadin will lower protein S.
Collection Container/Tube: Light-blue top (3.2% sodium citrate)
Submission Container/Tube: Plastic vials
Specimen Volume: 1 mL in 2 plastic vials each containing 0.5 mL
Collection Instructions:
1. For complete instructions, see Coagulation Guidelines for Specimen Handling and Processing.
2. Centrifuge, transfer all plasma into a plastic vial, and centrifuge plasma again.
3. Aliquot plasma into separate plastic vial leaving 0.25 mL in the bottom of centrifuged vial.
4. Freeze plasma immediately (no longer than 4 hours after collection) at -20 degrees C or, ideally -40 degrees C or below.
5. Send specimens in the same shipping container.
Additional Information:
1. Double-centrifuged specimen is critical for accurate results as platelet contamination may cause spurious results.
2. Each coagulation assay requested should have its own vial.

Specimen Minimum Volume:

0.5 mL

Specimen Type	Temperature	Time	Special Container
Plasma Na Cit	Frozen	14 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
PSF	Protein S Ag, Free, P	Numeric	%	27821-8

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

85306

Reference Values:

Only orderable as part of a profile, see PSTF / Protein S Antigen, Plasma.

Males: 65-160%
Females:
<50 years: 50-160%
> or =50 years: 65-160%
Normal, full-term newborn infants or healthy premature infants may have decreased levels of total protein S (15%-50%), but because of low levels of C4bBP, free protein S may be normal or near the normal adult level (> or =50%). Total protein S reaches adult levels by 90-180 days postnatal.*

*See Pediatric Hemostasis References section in Coagulation Guidelines for Specimen Handling and Processing