

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:**
- For complete instructions, see [Coagulation Guidelines for Specimen Handling and Processing](#).
 - Centrifuge, transfer all plasma into a plastic vial, and centrifuge plasma again.
 - Aliquot plasma into separate plastic vial leaving 0.25 mL in the bottom of centrifuged vial.
 - Freeze plasma immediately (no longer than 4 hours after collection) at -20 degrees C or, ideally -40 degrees C or below.
 - Send specimens in the same shipping container.
- Additional Information:**
- Double-centrifuged specimen is critical for accurate results as platelet contamination may cause spurious results.
 - Each coagulation assay requested should have its own vial.

| 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](#)