

## **Test Definition: PST**

Protein S Antigen, Total, Plasma

Reporting Title: Protein S Ag, Total, P

Performing Location: Rochester

#### **Specimen Requirements:**

Only orderable as part of a profile. For more information 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, at -40 degrees C or helow
- 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 Type	Temperature	Time	Special Container
Plasma Na Cit	Frozen	14 days	

#### **Result Codes:**

Result ID	Reporting Name	Туре	Unit	LOINC®
PST	Protein S Ag, Total, P	Numeric	%	27823-4

LOINC® and CPT codes are provided by the performing laboratory.

### **Supplemental Report:**

No

#### **CPT Code Information:**

85305

### **Reference Values:**

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

Males: 80-160%

Females:



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<50 years: 70-160% > or =50 years: 80-160%

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