Test Definition: PSTF

Protein S Antigen, Plasma

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

Specimen Requirements:

See Coagulation Studies in Special Instructions.

Specimen Type: Platelet-poor plasma
Collection Container/Tube: Light-blue top (citrate)
Submission Container/Tube: Plastic vials
Specimen Volume: 1 mL in 2 plastic vials each containing 0.5 mL
Collection Instructions:
1. Spin down, remove plasma, and spin plasma again.
2. Freeze specimens immediately at < or =-40 degrees C, if possible.
3. 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. If the patient is being treated with Coumadin, this should be noted. Coumadin will lower protein S.
3. Each coagulation assay requested should have its own vial.

Specimen Type	Temperature	Time
Plasma Na Cit	Frozen	14 days

Result Codes:

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

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
PSF	Protein S Ag, Free, P	1	85306	Yes	No

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
PST	Protein S Ag, Total, P	1	85305	No	No

Result Codes for Reflex Tests:

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

Reference Values:

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

FREE
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 to 180 days postnatal.*
*See Pediatric Hemostasis References in Coagulation Studies in Special Instructions.