

Reporting Title: Protein S Activity, P
Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Specimen Requirements:

Specimen Type: Platelet-poor plasma
Supplies: Sarstedt Aliquot Tube, 5 mL (T914)
Patient Preparation: Patient must not be receiving Coumadin.
Collection Container/Tube: Light-blue top (3.2% sodium citrate)
Submission Container/Tube: Plastic vial
Specimen Volume: 1 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 a plastic vial leaving 0.25 mL in the bottom of centrifuged vial.
- 4. Freeze specimen immediately (no longer than 4 hours after collection) below -40 degrees C.

Forms:

If not ordering electronically, complete, print, and send an [Coagulation Test Request](#) (T753) with the specimen.

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

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
SFX	Protein S Activity, P	Numeric	%	27822-6

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

Supplemental Report:

No

CPT Code Information:

85306

Reference Values:

Males: 65-150%
Females
<50 years: 50-150%
> or =50 years: 65-150%
Newborn infants have normal or near-normal free protein S antigen (> or =50%), although total protein S antigen is usually below the adult reference range. There are insufficient data concerning protein S activity in normal neonates, infants, and children; but normal or near-normal activity (> or =50%) probably is present by age 3 to 6 months.