

Reporting Title: Protein C Ag, P
Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Ordering Guidance:
Coagulation testing is highly complex, often requiring the performance of multiple assays and correlation with clinical information. For that reason, consider ordering AATHR / Thrombophilia Profile, Plasma and Whole Blood.

Testing of protein C functional activity (CFX / Protein C Activity, Plasma) is recommended for initial laboratory evaluation of patients suspected of having congenital protein C deficiency (personal or family history of thrombotic diathesis).

Necessary Information:
If the patient is being treated with Coumadin (warfarin), this should be noted as Coumadin will lower protein C.

Specimen Requirements:
Specimen Type: Platelet-poor plasma
Patient Preparation:
Fasting: 8 hours, preferred but not required
Collection Container/Tube: Light-blue top (3.2% sodium citrate)
Submission Container/Tube: Polypropylene plastic vial
Specimen Volume: 1 mL
Specimen Stability Information: Frozen 2 years

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 a 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, at -40 degrees C or below.

Additional Information:

- A double-centrifuged specimen is critical for accurate results as platelet contamination may cause spurious results.
- Each coagulation assay requested should have its own vial.

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

Specimen Type	Temperature	Time	Special Container
Plasma Na Cit	Frozen		

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
9127	Protein C Ag, P	Numeric	%	27820-0

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

Supplemental Report:

No

CPT Code Information:

85302

Reference Values:

Adults: 72%-160%

Normal, full-term newborn infants or healthy premature infants may have decreased levels of protein C antigen (15%-50%), which may not reach adult levels until later in childhood or early adolescence.*

*See Pediatric Hemostasis References section in [Coagulation Guidelines for Specimen Handling and Processing](#).