

**Reporting Title:** Protein C Ag, P  
**Performing Location:** Rochester

**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 preferred  
**Collection Container/Tube:** Light-blue top (3.2% sodium citrate)  
**Submission Container/Tube:** Plastic vial (polypropylene preferred)  
**Specimen Volume:** 1 mL  
**Specimen Stability Information:** Frozen 2 years

**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 plasma immediately (no longer than 4 hours after collection) at -20 degrees C or ideally, at or below -40 degrees C.

**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.

**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:**

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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](#).