

Protein S Antigen, Free

Order Name: **PROT S FRE**
Test Number: 1507050
Revision Date: 05/04/2026

TEST NAME	METHODOLOGY	LOINC CODE
Protein S Antigen, Free	Latex Immunoassay Agglutination	27821-8

SPECIMEN REQUIREMENTS

Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	1.5mL (1)	Plasma	Sodium Citrate 3.2% (Blue Top)	Frozen

Instructions

Patient Preparation: Avoid warfarin (Coumadin®) therapy for two weeks and heparin therapy for two days prior to the test. Do not draw from an arm with a heparin lock or heparinized catheter.

Stability: Room Temperature: N/A, Refrigerated: N/A, Frozen: 28 Days (Freeze Thaw Cycles stable x3)

Causes for Rejection: Gross hemolysis; clotted specimen; frozen specimen thawed in transit; improper labeling

Blood should be collected in a blue-top tube containing 3.2% buffered sodium citrate.¹ Evacuated collection tubes must be filled to completion to ensure a proper blood-to-anticoagulant ratio.^{2,3} The sample should be mixed immediately by gentle inversion at least six times to ensure adequate mixing of the anticoagulant with the blood. A discard tube is not required prior to collection of coagulation samples unless the sample is collected using a winged (butterfly) collection system. With a winged blood collection set a discard tube should be drawn first to account for the dead space of the tubing and prevent under-filling of the evacuated tube.^{4,5} When noncitrate tubes are collected for other tests, collect sterile and nonadditive (red-top) tubes prior to citrate (blue-top) tubes. Any tube containing an alternative anticoagulant should be collected after the blue-top tube. Gel-barrier tubes and serum tubes with clot initiators should also be collected after the citrate tubes.

If the patient's hematocrit exceeds 55%, the volume of citrate in the collection tube must be adjusted. Refer to **Coagulation Collection Procedures** for directions.

GENERAL INFORMATION

Expected TAT	3-4 Days
Clinical Use	The presence of rheumatoid factor may lead to an over-estimation of the free protein S level. The presence of anti-bovine albumin and/or anti-mouse antibodies in certain subjects may lead to an over-estimation of the free protein S level.
Performing Labcorp Test Code	164519
CPT Code(s)	85306
Lab Section	Reference Lab