


## Plasminogen Functional

Order Name: **PLASMINOGE**  
Test Number: 1504250  
Revision Date: 12/12/2022

TEST NAME	METHODOLOGY	LOINC CODE
Plasminogen Functional	Chromogenic	28660-9

SPECIMEN REQUIREMENTS				
Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	1mL (0.5mL)	Platelet Poor Plasma	Sodium Citrate 3.2% (Blue Top)	Frozen
Instructions	<p><b>Specimen Type:</b> Blue-top (sodium citrate) tube</p> <p><b>Specimen Storage:</b> <b>Freeze</b></p> <p><b>Specimen Collection:</b> CITRATED PLASMA SAMPLES SHOULD BE COLLECTED BY DOUBLE CENTRIFUGATION. 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 anti-coagulant with the blood. A discard tube is not required prior to collection of coagulation samples except when using a winged blood collection device (i.e. 'butterfly'), in which case a discard tube should be used.[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 alternate 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. Centrifuge for 10 minutes and carefully remove 2/3 of the plasma using a plastic transfer pipette, being careful not to disturb the cells. Deliver to a plastic transport tube, cap, and recentrifuge for 10 minutes. Use a second plastic pipette to remove plasma, staying clear of the platelets at the bottom of the tube. Transfer the plasma into a LabCorp PP transpak frozen purple tube with screw cap (LabCorp 49482). <b>FREEZE immediately and maintain frozen until tested.</b> Please print and use the Volume Guide for Coagulation Testing to ensure proper draw volume. Please print and use the Volume Guide for Coagulation Testing to ensure proper draw volume.</p> <p><b>Special Instructions:</b> 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.</p> <p><b>Specimen Stability:</b> Ambient: Not Available, Refrigerated : Not Available, Frozen: Not Available</p>			

GENERAL INFORMATION	
Expected TAT	2 - 3 days
Clinical Use	The precursor of plasmin is plasminogen, plasmin lyses fibrin clots. Activity is increased in pregnancy and as an acute phase reactant. Rare hereditary deficiency of plasminogen predisposes to venous thrombosis. Low activity is associated with DIC, liver disease, and increased risk of thrombosis.
Notes	Streptokinase (SK) as mixed with the patient sample and the resulting plasminogen-SK complex converts a chromogenic substrate to produce color. ?Labcorp Test Code: 117713
CPT Code(s)	85420
Service Provided By	 <b>labcorp</b> Oklahoma, Inc.