

Factor 11 (XI) Assay

Order Name: **FACTOR 11**
Test Number: 1501300
Revision Date: 05/14/2025

TEST NAME	METHODOLOGY	LOINC CODE
Factor 11 (XI) Assay	Clot Detection	3226-8

SPECIMEN REQUIREMENTS

Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	1 mL	Double Spun Plasma	Sterile Screwtop Container	Frozen

Instructions

Collection: 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. Please print and use the Volume Guide for Coagulation Testing to ensure proper draw volume.

Do not pool aliquots together!

Stability Requirements: Room temperature n/a, Refrigerated n/a, Frozen 28 days (Freeze/thaw cycles Stable x3) Cause for Rejection: Severe hemolysis; improper labeling; clotted specimen; specimen diluted with IV fluids; samples thawed in transit; improper sample type; sample out of stability

Patient Preparation: Ideally, the patient should not be on anticoagulant therapy. Avoid warfarin (Coumadin®) therapy for two weeks prior to the test and heparin, direct Xa, and thrombin inhibitor therapies for about three days prior to testing. Do not draw from an arm with a heparin lock or heparinized catheter.

Cause for Rejection: Severe hemolysis; improper labeling; clotted specimen; specimen diluted with I.V. fluids; samples thawed in transit; improper sample type; sample out of stability

GENERAL INFORMATION

Expected TAT	3-7 Days
Clinical Use	This assay measures the clotting ability of Factor 11. This assay is used to aid in the diagnosis of coagulation deficiencies that may present with mild bleeding, bruising, epistaxis, retinal hemorrhage and menorrhagia.
Performing Labcorp Test Code	086314
CPT Code(s)	85270
Lab Section	Reference Lab