
Lab Dept: Coagulation

Test Name: FACTOR 10 CHROMOGENIC

General Information

Lab Order Codes: F10CH

Synonyms: Factor X Chromogenic

CPT Codes: 85260- factor X

Test Includes: Factor 10 antigen level reported as a %.

Logistics

Test Indications: This test may be used to monitor warfarin therapy for patients with lupus anticoagulants.

Lab Testing Sections: Coagulation - Sendouts

Referred to: Fairview University Medical Center (Fairview/Atlas Test: F10CH)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 4 - 6 hours if received during lab hours

Special Instructions: Patient should not be receiving heparin. If so, this should be noted on the request form. Heparin can affect certain coagulation factors or assay, preclude their performance, or cause spurious results.

Indicate when the specimen is drawn from a line or a heparin lock. Deliver immediately to the laboratory.

Specimen

Specimen Type: Whole blood

Container: Light Blue top (Buffered Na Citrate 3.2%) tube

Draw Volume: 2.7 mL blood in a 3 mL tube (Minimum: 1.8 mL in a 2 mL tube) Please respect fill line on tube

Processed Volume:	2 mL (Minimum 1 mL) plasma frozen at -70.
Collection:	Routine blood collection Do Not use the first 2 mL of blood collected. If the patient's hematocrit is >55%, contact laboratory to obtain a special tube. Mix thoroughly by gentle inversion
Special Processing:	Lab Staff: Centrifuge sample collected in blue top tube(s) for 5 minutes in the Stat Spin centrifuge, remove plasma and transfer to a 4 mL BCS sample cup(s), spin remaining plasma again for 5 minutes in the Stat Spin Centrifuge. Transfer plasma into one labeled 10x75 mL plastic tubes with 2 mL (Minimum: 1 mL) plasma. Freeze at -70 and send specimens on dry ice to Fairview University.
Patient Preparation:	If the patient has a coagulation abnormality, apply direct pressure to the puncture site for 10 minutes; apply pressure bandage. Instruct the patient to leave the bandage on for 12 hours.
Sample Rejection:	Improper tube; clotted samples; underfilled tubes; overfilled tubes; mislabeled or unlabeled specimens; gross hemolysis; grossly icteric or lipemic; incorrect anticoagulant

Interpretive

Reference Range:	70 - 130 %
Critical Values:	Less than 10%
Limitations:	N/A
Methodology:	Chromogenic (synthetic substrate) Assay
Contraindications:	A chromogenic factor 10 level of approximately 20 to 40 percent inversely correlates with an INR of 2 to 3 for patients receiving warfarin. Chromogenic factor 10 levels below 20 percent indicate an INR greater than 3, and levels above 40 percent indicate an INR less than 2.
References:	Fairview University February 2019