

Factor XIII(13) Activity, Plasma

Test ID: 13ACT

Useful for:

Measuring factor XIII activity

Methods:

Fluorescence-Based Enzyme Activity

Reference Values:

> or =55%

Specimen Requirements:

Patient Preparation:

1. Fasting: 8 hours, preferred but not required
2. It is best to perform this study pre-plasma transfusion if possible. If patient has been recently transfused, wait at least 48 hours after transfusion before collecting the specimen.
3. Specimen should be collected prior to factor replacement therapy.

Collection Container/Tube: Light-blue top (3.2% sodium citrate)

Submission Container/Tube: Plastic vial

Specimen Volume: 1 mL Platelet-poor plasma

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, -40 degrees C or below.

Additional Information:

1. Double-centrifuged specimen is critical for accurate results.
2. Each coagulation assay requested should have its own vial.

Specimen Stability Information:

Specimen Type	Temperature	Time
Plasma Na Cit	Frozen	180 days

Cautions:

Factor XIII (FXIII) activity results may be underestimated by:

- Bilirubin greater than 7 mg/dL
- Hemoglobin greater than 125 mg/dL
- Lipemia greater than 3500 mg/dL

Residual platelets in frozen-thawed plasma can increase FXIII activity such that the FXIII activity may be falsely normal. Specimens that are to be frozen before testing must be centrifuged twice to remove as many of the platelets as possible before freezing.

Factor XIII results on Ceveron s100 are not affected by rheumatoid factor up to 600 mg/dL, fibrinogen up to 6 g/L, ammonia up to 2 mM and heparin up to 10 U/mL

CPT Code:

85290

Day(s) Performed: Monday through Friday

Report Available: 1 to 8 days

Note:

The following referral test code(s) will become obsolete.

Test Name	Test ID	Referral Lab Code	Referral Lab
Factor XIII, Functional	FFX3F	14461	Quest Diagnostics

Questions

Contact Bonnie Meyers, Laboratory Resource Coordinator at 800-533-1710.