

TEST UPDATE

Factor XII, Functional Testing

UVMMC

Effective 6/17/25, UVMMC will begin offering a new Mayo send out test, Factor XIII, Functional (Mayo Test ID FFX3F). The current guidelines indicate FXIII activity is the preferred first-line test to diagnose inherited or acquired FXIII deficiency¹.

Test Build Information:

New Orderable	Epic Code	Atlas Code	Mayo Test ID	Order LOINC	CPT Code(s)
Factor XIII, Functional	LAB17815	LAB17815	FFX3F	27815-0	85290
Result Component(s)	Epic Code	Atlas Code	Mayo Test ID	Result LOINC	Notes
Factor XIII, Functional	12301020849	MFFX3F	FFX3F	27815-0	
Specimen Requirements:					
Container	Specimen	Temperature	Collect Vol	Submit Vol	Stability
Blue Top (Na Citrate) Tube	PLT-poor plasma	Frozen	Fill to line	1 mL PLT-poor plasma	14 days
Collection Instructions:					
Draw blood into a 3.2% sodium citrate tube. Centrifuge tube for 15 minutes at approx. 1500 g within 60 minutes of collection.					
Using a plastic pipette, remove plasma, taking care to avoid the WBC/platelet buffy layer and place into a plastic vial.					
Centrifuge a second time and transfer platelet-poor plasma into a new plastic vial. Freeze immediately. Ship frozen.					
Minimum volume = 0.5 mL PLT-poor plasma					

If you have any questions, please contact any of the following:

- Kristin E. Lundy, MHA, CLS, Coagulation Technical Specialist
- Dr. Andy Goodwin, Coagulation Medical Director
- Dr. Marian Rollins-Raval, Division Chief for Hematopathology and Coagulation

Reference:

1. Karimi M, et al. Factor XIII deficiency diagnosis: Challenges and tools. *Int J Lab Hem.* 2018;40:3-11.
2. Al Sharif MA, et al. Measurement of factor XIII for the diagnosis and management of deficiencies: insights from a retrospective review of 10 years of data on consecutive samples and patients. *Res Pract Thromb Haemost.* 2025;9:e102689.

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