

To: Medical Staff, House Staff, Nursing Staff, Patient Care Centers

From: Krzysztof Mikrut, B.S. MT (ASCP) Laboratory Manager, Coagulation Laboratory
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Date: 11/04/2025

Subject: Updates to available TEG assays

Effective Date: 11/5/2025

The UCM Coagulation Laboratory has updated the available thromboelastography (TEG) testing panels due to the impending retirement of old instruments. The TEG packages orderable in EPIC are as follows:

TEG Heparin (new; replacing TEG2 package)

For patients receiving heparin therapy (cardiopulmonary bypass, ECMO, heparin drips). The heparinase channels can neutralize up to **5 U/mL** of UFH. The reported parameters from this assay supersede the parameters previously reported on the TEG2 package and are described in the table below.

Test	Channel	Reported Parameter	Notes
TEG Heparin ("Heparin Neutralization")	CK	R-time, MA	Heparin-sensitive baseline channel.
	CK-H	R-time, LY30	Detects factor deficiency and hyperfibrinolysis. Heparin-insensitive (up to 5 U/mL).
	CRT-H	MA	Overall clot strength. Heparin-insensitive (up to 5 U/mL).
	CFF-H	MA	Fibrinogen-specific clot strength. Heparin-insensitive (up to 5 U/mL).

TEG Transfusion Evaluation (already available; imminently replacing TEG1 Package)

For bleeding/operative patients not receiving heparin. The reported parameters from this assay supersede the parameters previously reported on the TEG1 package and are described in the table below.

Test	Channel	Reported Parameter	Notes
TEG Transfusion Evaluation ("Trauma")	CK	R-time, LY30	Detects factor deficiency and hyperfibrinolysis.
	CRT	MA	Overall clot strength.
	CFF	MA	Fibrinogen-specific clot strength.

Both cartridges will be available 24/7, with pathologist interpretation available by request.

- Both cartridges still require samples drawn using 3.2% sodium citrate tubes, which must be filled precisely.
- STAT samples should still be tubed to the coag lab directly (tube station 904) with accompanying phone call.
- TEG results will continue to be available for real-time viewing via TEG Manager software, which can be accessed through UCM Citrix Workspace. Access to TEG Manager can be requested through the UCM IT Self Service Portal.

Questions: If there are any questions regarding the change, test requirements, or ordering, please contact:
Krzysztof Mikrut, Laboratory Manager, at 773-702-1315, or
Timothy Carll, MD, Interim Medical Director, at 773-702-1439.