

To: Providers that order Special Coagulation testing through HML
 From: Craig Rousar, Hematology Lab Manager, St. Joseph's Hospital, East Region
 Date: February 16, 2018
 Subject: Special coagulation testing moving to FDL (Fairview Diagnostic Laboratories).

On Tuesday March 6, Special coagulation testing will be sent to FDL.

The affected testing includes: Antithrombin III, Protein C, Protein S, and the Lupus Anticoagulant Panel.

Below is a chart of the current HML testing compared to the testing performed at FDL.

TEST	Current HML Method	Reference Range-Adult	TEST	Fairview Method	Reference Range-Adult
Antithrombin III	Chromogenic	78-134%	Antithrombin III	Chromogenic	85-135%
Protein C	Functional (clot based)	76-137%	Protein C	Chromogenic	70-170%
Protein S	Functional (clot based)	M 62-102% F 71-111%	Free Protein S	Latex immunoassay/Immuno-turbidometric assay	M 70-148% F 55-125%
Lupus Anticoagulant Panel			Lupus Battery		
DRVVT screen		< 47 secs	INR (No charge)		0.86 - 1.14
DRVVT Confirm		< 41 sec	Thrombin time (No charge)		13.0-19.0 sec
Screen/Confirm ratio		< 1.3	PTT-LA ratio		Separate report
Sta-Clot LA Buffer		<= 64 sec	PTT-LA mix ratio		
Sta-Clot LA Hex		<= 59 sec	DRVVT screen ratio		
STA-Clot Calc.		<= 11.1 sec	DRVVT confirm ratio		
			DRVVT screen mix ratio		
			Heparin Neutralization		
			Platelet Neutralization		

The Lupus panel performed at Fairview starts with a no-charge PT/INR, no-charge Thrombin Time, PTT-LA ratio, and DRVVT screen ratio. If the Thrombin Time is > 19.0 sec and the PTT-LA ratio is >1.16 and the PTT-LA is less than 180 seconds, the sample will be hepzymed to neutralize the heparin. The PTT-LA testing may cascade to Platelet neutralization studies and PTT-LA mixing studies. The DRVVT Screen may cascade to the DRVVT Confirm test, which can lead to mixing studies, as well. An interpretation will be provided for each Lupus Battery performed.

For technical questions regarding the Special Coag testing performed at Fairview, please contact Tammy Carlberg at 612-273-4364 Dr. Nicole Zantek at 612-6265-3768. Other questions can be directed to Craig Rousar 651-232-3002 or carousar@healtheast.org