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## LAB ALERT: Lupus Anticoagulant Panel Update

Dear Regional Pathology Services Clients,

Effective 2/28/24, the Lupus Anticoagulant Panel method will change. Two of the tests on the panel will be replaced by Silica Clot Time (SCT) assay, which will allow for better detection of anti-phospholipid antibodies and a more sensitive assay.

The SCT is a PTT-based (Partial Thromboplastin Time) assay that measures the time to clot formation of the intrinsic and common coagulation pathways in the presence of low and high phospholipid concentrations.

Please note the change in specimen requirements and new test code.

### SPECIMEN REQUIREMENTS—

- Four- whole blood blue tops (sodium citrate 3.2%) filled appropriately (previously only 3 tubes required)  
—OR—
- Minimum 6 - 0.5mL aliquots of **frozen** platelet poor citrated plasma

### TEST CODE CHANGE—

The current test code LUP will change to LUPP.

### TEST BUILD—

Please deactivate test code LUP and build new code LUPP. Please note CPT codes have changed (see table).

Order Code	OrderName	Result Code	ResultName	Result Units	RESULT LOINC	CPT	Comment
LUPP	LUPUS PANEL	PTS	PROTIME (SECONDS)	sec	5902-2	85610, 85730, 85613 x2, 85520, 85670, 85732 x2	
LUPP	LUPUS PANEL	INR	INTER NORMAL RATIO		6301-6		
LUPP	LUPUS PANEL	PTTS	PTT	sec	14979-9		
LUPP	LUPUS PANEL	LATTIM	THROMBIN TIME	sec	3243-3		
LUPP	LUPUS PANEL	DSCRR	DRVVT Screen Ratio				
LUPP	LUPUS PANEL	DCTR	DRVVT Screen/Confirm Ratio				

**TEST BUILD CONTINUED—**

LUPP	LUPUS PANEL	DMIXR	DRVVT Screen Mix Ratio				
LUPP	LUPUS PANEL	DSCMR	DRVVT Screen Mix/Confirm Mix				
LUPP	LUPUS PANEL	SSCRR	SCT Screen Ratio				
LUPP	LUPUS PANEL	SCTR	SCT Screen/Confirm Ratio				
LUPP	LUPUS PANEL	SMIXR	SCT Screen Mix/Confirm Mix				
LUPP	LUPUS PANEL	SSCMR	SCT Screen Mix/Confirm Mix				
LUPP	LUPUS PANEL	HEPQT	HEPARIN QUANT ASSAY	IU/mL	42679-1		
LUPP	LUPUS PANEL	INTP	LUPUS INTERPRETATION				

**REFLEXES—**

If PTS is elevated:

Order Code	OrderName	Result Code	ResultName	Result Units	RESULT LOINC	CPT	Comment
LPTMX	LUPUS PT MIXING STDY	PTMXI	PT 1:1 MIX IMMED	sec	5959-2	85611	Same as LUP

If LATTIM is elevated:

Order Code	OrderName	Result Code	ResultName	Result Units	RESULT LOINC	CPT	Comment
TTHEPZ	THROMB TIME HEP NEUT	TTHEPZ	THROMB TIME HEP NEUT	sec		85670	Same as LUP

If PTTS is elevated:

Order Code	OrderName	Result Code	ResultName	Result Units	RESULT LOINC	CPT	Comment
PTTMXL	LUPUS PTT 1:1 IMMEDIATE MIXING STUDY	PTTMI	PTT 1:1 MIX IMMED	sec	5946-9	85732	This is new
HEPNP	HEPARIN NEUTRALIZATN	HEPNP	HEPARIN NEUTRALIZATN	sec	52123-7	85525	Same as LUP

**TESTING DETAILS-**

The testing algorithm for both the Dilute Russell Viper Venom Time (DRVVT) and the SCT will include a screen, confirm, screen mix, and confirm mix. Results will be reported as:

<b>DRVVT Results [Reference Range]</b>	<b>SCT Results [Reference Range]</b>
DRVVT screen ratio [ $< 1.44$ ]	SCT screen ratio [ $< 1.43$ ]
DRVVT screen/confirm ratio [ $< 1.34$ ]	SCT screen/confirm ratio [ $< 1.35$ ]
DRVVT screen mix ratio [ $< 1.21$ ]	DRVVT screen mix ratio [ $< 1.21$ ]
DRVVT screen/confirm mix ratio [ $< 1.21$ ]	DRVVT screen/confirm mix ratio [ $< 1.17$ ]

**TEST INTERPRETATION—**

Results for the lupus panel will continue to include interpretation by a pathologist.

**INTERFERING SUBSTANCES—**

The DRVVT and SCT can be affected by several interfering substances. Testing is not recommended, and may not be interpretable, while patients are on anticoagulation medication.

**Contact Regional Pathology Services**

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