

LAB ALERT

Date: July 27, 2021

Lupus Anticoagulant Panel Reference Range Changes

Dear Regional Pathology Services Clients,

Effective August 4, 2021, the Special Coagulation Laboratory will update its Lupus anticoagulant algorithm to comply with International Society on Haemostasis and Thrombosis (ISTH) guidelines, Clinical and Laboratory Standards Institute (CLSI) guidelines, and the dilute Russel viper venom test (dRVVT) package insert. Specifically, the dRVVT result will no longer report seconds and instead report a ratio calculated from the dRVVT in the presence and absence of phospholipid, normalized to a mean result for normal pooled plasma.

The algorithm will continue to begin with a dRVVT screen. If the dRVVT screen normalized ratio is not prolonged (≤ 1.20), no further dRVVT testing will be performed. If the dRVVT screen normalized ratio is prolonged (> 1.20), the testing will reflex to a dRVVT confirm and a dRVVT screen mix (1:1 with normal pooled plasma), also calculated as normalized ratios. **Specimen requirements, cpt codes and pricing will remain the same.**

We are currently still experiencing a shortage in the light blue citrate tubes and clients may receive a reduced allocation. Thanks for your patience.

Effective immediately, a dRVVT confirm mix will no longer be performed due to limited added diagnostic value.

Test Code: [LUP](#) , Lupus Panel

Results will be reported as:

New Testing [Reference Range]	Current Testing [Reference Range]
DRVVT screen ratio [≤ 1.20] DRVVT screen/confirm ratio [≤ 1.20] DRVVT mix ratio [≤ 1.20]	LA Screen DRVVT [24-42 sec] 1:1 Mix w/ plasma screen [24-42 sec] LA Confirm DRVVT [25-35] 1:1 Mix w/ plasma confirm [25-35]

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

Interfaced Clients:

Please add the highlighted result codes below. Please delete the following result codes: **LASCR** (LA SCREEN DRVVT), **SCRMX** (1:1 MIX W/NORM PLAS), **LACON** (LA CONFIRM DRVVT), and **CONMX** (1:1 MIX W/NORM PLAS).

OrderCode	OrderName	ResultCode	ResultName	ResultUnits	RESULT LOINC	CPT
LUP	LUPUS PANEL	PTS	PROTIME (SECONDS)	sec	5902-2	85610, 85613, 85670, 85730, 85730, 85520
LUP	LUPUS	INR	INTER NORMAL		6301-6	

	PANEL		RATIO			
LUP	LUPUS PANEL	PTTS	PTT	sec	14979-9	
LUP	LUPUS PANEL	LATTIM	THROMBIN TIME	sec	3243-3	
LUP	LUPUS PANEL	LAPTT	LA SENSITIVE PTT	sec		
LUP	LUPUS PANEL	LSCRR	DRVVT Screen Ratio			
LUP	LUPUS PANEL	LCTR	DRVVT Screen/Confirm Ratio			
LUP	LUPUS PANEL	LMIXR	DRVVT Mix Ratio			
LUP	LUPUS PANEL	LAHEX	LA HEXAGONAL PL			
LUP	LUPUS PANEL	HEPQT	HEPARIN QUANT ASSAY	IU/mL	42679-1	
LUP	LUPUS PANEL	INTP	LUPUS INTERPRETATION			

For questions on interface build please contact: rpsinterfacesupport@unmc.edu

Possible Reflex tests:

OrderCode	OrderName	ResultCode	ResultName	ResultUnits	RESULT LOINC	CPT
HEPNP	HEPARIN NEUTRALIZATN	HEPNP	HEPARIN NEUTRALIZATN	sec	52123-7	85525
LPTMX	LUPUS PT MIXING STDY	PTMXI	PT 1:1 MIX IMMED	sec	5959-2	85611
LPTTMX	LUPUS PTT MIX STUDY	PTTMI	PTT 1:1 MIX 1 HR	sec	30323-0	85732
LPTTMX	LUPUS PTT MIX STUDY	PTTMI	PTT 1:1 MIX IMMED	sec	5946-9	
TTHEPZ	THROMB TIME HEP NEUT	TTHEPZ	THROMB TIME HEP NEUT	sec		85670

If you have questions or concerns please contact Dr. Shelly Williams (phone: 402-559-1266, pager 402-888-5029, email: shelly.williams@unmc.edu).