

Lactic Acid Updates**Effective Date: May 5, 2025**

Effective May 5, 2025, as part of a System Sepsis Clinical Quality Committee initiative, the reference range for venous lactic acid will be 0.0-2.1 mmol/L, and the critical value cutoff for venous lactic acid will be ≥ 4.0 mmol/L. Affected tests are tabulated below:

Lab number	Test name	Reference Range	Critical value
LAB1231478	Lactic acid w/reflex (baseline and reflex at 2 and 4 hrs. if abnormal)	0.0-2.1 mmol/L	≥ 4.0 mmol/L
LAB95	Lactic acid	0.0-2.1 mmol/L	≥ 4.0 mmol/L
LAB1230662	Lactic acid 2-hour, blood level	0.0-2.1 mmol/L	≥ 4.0 mmol/L
LAB1230660	Lactic acid 4-hour, blood level	0.0-2.1 mmol/L	≥ 4.0 mmol/L
LAB1231087	Lactic acid, whole blood, venous	0.0-2.1 mmol/L	≥ 4.0 mmol/L
POC10049	POCT blood gas, venous, operating room	0.0-2.1 mmol/L	≥ 4.0 mmol/L
POC10038	POCT blood gas w/Lytes venous, POC	0.0-2.1 mmol/L	≥ 4.0 mmol/L

For questions regarding testing, please contact Corewell Health Laboratory Customer Service at 800-551-0488.

Date submitted: May 2, 2025**Submitted by: Caitlin Schein, MD**