



University of Colorado Hospital

ANSCHUTZ MEDICAL CAMPUS

Test Update Lactate Method Change

Effective Thursday June 2, 2011, the UCH Clinical Laboratory will change to a new Lactate method. This will allow for improved lactate turnaround time and decreased patient blood volume requirements when run in conjunction with arterial (ABG) or venous blood (VBG) gases. Please note the following changes:

Specification	Current Lactate Method	New Lactate Method
Test descriptions	Lactate Lactate, CSF	Lactate whole blood venous Lactate whole blood arterial Lactate, CSF
Order Mnemonics	LACT LACT CSF	LACT VEN LACT ART LACT CSF (no change)
Reference Range (No Changes)	Venous 0.5-2.2 mmol/L Arterial 0.5-1.6 mmol/L CSF 1.2-2.1 mmol/L	Venous 0.5-2.2 mmol/L Arterial 0.5-1.6 mmol/L CSF 1.2-2.1 mmol/L
Preferred Sample Type	LACT: Gray top LACT CSF: CSF Container	LACT VEN, LACT ART: Blood gas syringe with balanced heparin. LACT CSF: CSF Container
Alternate Sample Type	LACT: None LACT CSF: Sterile container	LACT VEN, LACT ART: Full Green top with no gel. LACT CSF: Sterile Container
Stability	LACT: 90 minutes at ambient temperature LACT CSF: 90 minutes at ambient temperature	LACT VEN, LACT ART: Best results obtained within 30 minutes at ambient temperature. If greater than 30 minutes to submission, place on ice for 60 minute stability. LACT CSF: 90 minutes at ambient temperature.
Preferred Volume	LACT: 5.0 mL Gray top LACT CSF: 0.5 mL CSF	LACT VEN, LACT ART: 1.0 mL whole blood LACT CSF: 0.5 mL CSF
Minimum Volume	LACT: 0.5 mL whole blood LACT CSF: 0.3 mL CSF	LACT VEN, LACT ART: 0.3 mL whole blood LACT CSF: 0.3 mL CSF
Method	Enzymatic	Ion Selective Electrode

Please call Lorne Holland, M.D. at 720-848-7050 if you have any questions or visit our website at <http://www.uch.edu/for-healthcare-professional/Clinical-Laboratory/index.aspx> for additional information.

Issued June 1, 2011

Clinical Laboratory
Medical Director Ronald B. Lepoff, MD