

2019

Working

# U Mass -Lactate 👄

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ABSTRACT

#### Summary:

This experiment involves a spectrophotometric measurement using Roche Cobas Clinical Chemistry Analyzer. Serum lactate levels are affected by alterations in glucose and protein metabolism.

**EXTERNAL LINK** 

https://mmpc.org/shared/document.aspx?id=161&docType=Protocol

#### MATERIALS

NAME ~	CATALOG #	VENDOR V	CAS NUMBER $\vee$ RRID $\vee$
Lactate Gen.2	05401666 190	Roche	
Calibrator f.a.s.	10759350 360	Roche	
Precinorm U Plus	12149435 160	Roche	
Precipath U Plus	12149443 160	Roche	
NaCl Diluent 9%	04774230 190	Roche	
Cleaner	04774248 190	Roche	
Micro Sample cups	11406680 001	Roche	
NERL High Quality Water	9805	Fisher Scientific	

MATERIALS TEXT

### Note:

Roche, RRID:SCR\_001326

Fisher Scientific, RRID:SCR\_008452

BEFORE STARTING

## Notes:

- $\sqrt{\,\mbox{Try}}$  to use freshly prepared serum and plasma samples for this assay.
- √ No dilution or treatment of the sample is required, but plasma samples should be centrifuged to remove any fibrin/fibrinogen
- √ Samples should be stored at 2-8°C for 24 hours prior to analysis. For longer periods, store samples at -70°C, and avoid repeated freeze/thaw cycles.

protocols.io 1 05/10/2019 VA 50 μl dead volume is required in addition to sample volume for multi-protein analysis (typically 1-5 μl).

1 Perform daily quality control assessment of instrumentation before analysis.

2 Load each sample into a specialized micro-sample cup for the clinical chemistry analyzer.

3 Select Lactate test on display and run the analysis.

4 Collect and analyze the data.

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