

2019

Working

U Mass - Uric Acid 👄

Jason Kim¹

¹University of Massachusetts

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Mouse Metabolic Phenotyping Centers Tech. support email: info@mmpc.org



Lili Liang 69



ABSTRACT

Summary:

This experiment involves a spectrophotometric measurement using Roche Cobas Clinical Chemistry Analyzer. Serum uric acid levels are affected by alterations in systemic protein and nitrogen metabolism. Serum uric acid levels are altered in kidney failure and renal complications of diabetes.

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=188&docType=Protocol

MATERIALS

NAME ~	CATALOG #	VENDOR \vee	CAS NUMBER \vee RRID \vee
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	
Chimneys	11930630 001	Roche	
Cleaner	04774248 190	Roche	
Micro Sample cups	11406680 001	Roche	
NERL High Quality Water	9805	Fisher Scientific	
Uric Acid	04657608190	Roche	

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 clumps.

$\sqrt{\text{Samples should be stored at 2-8°C for 24 hours prior to analysis.}}$ For longer periods, store samples at -70°C, and avoid repeated freeze/thaw cycles.				
\sqrt{A} 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 Uric acid test on display and run the analysis.			
4	Collect and analyze the data.			

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