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Working

U Mass - Bilirubin

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Mouse Metabolic Phenotyping Centers

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ABSTRACT

Summary:

This experiment involves a spectrophotometric measurement using Roche Cobas Clinical Chemistry Analyzer. Serum levels of bilirubin reflect bile acid metabolism.

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=182&docType=Protocol

MATERIALS

NAME	CATALOG #	VENDOR	CAS NUMBER	RRID
Total Bilirubin Special	04774256 160	Roche		
Calibrator f.a.s.	10759350 360	Roche		
Precinorm U Plus	12149435 160	Roche		
Precipath U Plus	12149443 160	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:

√ 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.
√ 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.
√ A 50 µl dead volume is required in addition to sample volume for multi-protein analysis (typically 1-5 µl).

Perform daily quality control assessment of instrumentation before analysis.

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

3 Select Bilirubin test on display and run the analysis.

4 Collect and analyze the data.