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Working

U Mass - Alanine Transferase

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ABSTRACT

Summary:

This experiment involves a spectrophotometric measurement using Roche Cobas Clinical Chemistry Analyzer. Serum alanine transferase levels reflect liver function.

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=180&docType=Protocol

MATERIALS

NAME	CATALOG #	VENDOR	CAS NUMBER	RRID
Pyridoxal Phosphate	04774221190	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		
Chimneys	11930630 001	Roche		
NERL High Quality Water	9805	Fisher Scientific		
Alanine aminotransferase acc. IFCC	04718569190	Roche		

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 µldead 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 ALT test on display and run the analysis.

4 Collect and analyze the data.