U Mass - Lactate dehydrogenase

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ABSTRACT

Summary:

This experiment involves a spectrophotometric measurement using Roche Cobas Clinical Chemistry Analyzer.

MATERIALS

Lactate Dehydrogenase acc. to IFCC ver.2 Roche Catalog #05401674 190

Calibrator f.a.s. Roche Catalog #10759350 360

Precinorm U Plus Roche Catalog #12149435 160

Precipath U Plus Roche Catalog #12149443 160

NaCl Diluent 9% Roche Catalog #04774230 190

Cleaner Roche Catalog #04774248 190

Micro Sample cups Roche Catalog #11406680 001

Chimneys Roche Catalog #11930630 001

NERL High Quality Water Fisher Scientific Catalog #9805

Note:
Roche, RRID:SCR_001326
Fisher Scientific, RRID:SCR_008452

Protocol status: Working
We use this protocol and it's working
BEFORE START INSTRUCTIONS

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).

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 dehydrogenase test on display and run the analysis.

4  Collect and analyze the data.