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U Mass - Creatinine

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

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Abstract

Summary:

This experiment involves a spectrophotometric measurement using Roche Cobas Clinical Chemistry Analyzer. Serum levels of creatinine reflect systemic protein metabolism.

Materials

MATERIALS

- Creatinine Jaffé **Roche Catalog #**05401755 190
- Calibrator f.a.s. **Roche Catalog #**10759350 360
- Precinorm U Plus **Roche Catalog #**12149435 160
- Precipath U Plus **Roche Catalog #**12149443 160
- Cleaner **Roche Catalog #**04774248 190
- Micro Sample cups **Roche Catalog #**11406680 001
- NERL High Quality Water **Fisher Scientific Catalog #**9805

Note:

Roche, RRID:SCR_001326
Fisher Scientific, RRID:SCR_008452

Troubleshooting

Before start

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 Creatinine test on display and run the analysis.

4 Collect and analyze the data.