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Yale - Blood and Urine Inorganic Phosphorous

John Stack¹, Gary Cline¹

¹Yale University

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

Lili Liang

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

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ABSTRACT

Summary:

Procedure used to determine the concentration of inorganic phosphorus in blood, serum, and plasma. Phosphorus (Inorganic) is measured as the complex with molybdate and monitored at 340nm.

MATERIALS

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⊗ Phosphorus Reagent **Prolabs(cliniqa) Catalog #R85562**

⊗ Multi Analyte Calibrator **Prolabs(cliniqa) Catalog #R60010**

⊗ Assayed Control Serum 1 **Prolabs(cliniqa) Catalog #R83082**

⊗ Assayed Control Serum 2 **Prolabs(cliniqa) Catalog #R83083**

Reagent Preparation:

Phosphorus Reagent: As supplied by vendor

Multi Analyte Calibrator: Add the appropriate amount of water (6.5mL) to the chemical control bottle.

Invert to mix, allowing 15 minutes for the reagent to settle.

Assayed Control Serum 1: Add the appropriate amount of water (6.5mL) to the chemical control bottle.

Invert to mix, allowing 15 minutes for the reagent to settle.

Assayed Control Serum 2: Add the appropriate amount of water (6.5mL) to the chemical control bottle.

Invert to mix, allowing 15 minutes for the reagent to settle.

- 1 Calibrate Cobas for Phosphorus analysis by running a multi-analyte serum calibrator and two control serum.

- 2 Sample handling as performed by Cobas Mira Plus
 - a) Pipette 3 μL of sample into cuvette.
 - b) Add 280 μL of Phosphorus Liquid Reagent.
 - c) Mixture is incubated at 37°C for 10 minutes
 - d) Absorbance is measured at 340nm.