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Working

Yale - Blood and Urine Inorganic Phosphorous 👄

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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.

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=217&docType=Protocol

MATERIALS

NAME Y	CATALOG #	VENDOR V
Phosphorus Reagent	R85562	Prolabs(cliniqa)
Multi Analyte Calibrator	R60010	Prolabs(cliniqa)
Assayed Control Serum 1	R83082	Prolabs(cliniqa)
Assayed Control Serum 2	R83083	Prolabs(cliniqa)

MATERIALS TEXT

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.

BEFORE STARTING

Analysis by automated system Cobas Mira Plus

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

- 9 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.

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