



Inorganic Phosphorus

Version: 1

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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.

Reagents and Materials:

Reagent/Material	Vendor	Stock Number
Phosphorus Reagent	Cliniqa	R85562
Multi Analyte Calibrator	Prolabs	R60010
Assayed Control Serum 1	Prolabs	R83082
Assayed Control Serum 2	Prolabs	R83083

Protocol: Analysis by automated system Cobas Mira Plus

- 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 μ L of sample into cuvette.
 - b) Add 280 μ L of Phosphorus Liquid Reagent.
 - c) Mixture is incubated at 37°C for 10 minutes
 - d) Absorbance is measured at 340nm.

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.