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Yale - Magnesium

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External link: https://mmpc.org/shared/document.aspx?id=218&docType=Protocol

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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 magnesium in blood, serum, and plasma. Magnesium is measured as the chlorophosphonazo III complex (addition of EGTA prevents calcium interference) and monitored at 600 nm.

Materials

MATERIALS

Magnesium Reagent **Prolabs(cliniqa) Catalog #**125-12

Magnesium Calibrator **Prolabs(cliniqa) Catalog #**125-12

Reagent Preparation:

Magnesium Reagent: As supplied by vendor

Magnesium Calibrator: As supplied by vendor

Before start

Analysis by automated system Cobas Mira Plus

1 Calibrate Cobas for Magnesium analysis by running the Magnesium Calibrator and a Water Blank.

2 Sample handling as performed by the Cobas Mira Plus
a) Pipette 4 µL of sample into a cuvette slot.
b) Add 350 µL of Magnesium Reagent.
c) Mixture is incubated at 37ºC for 10 minutes
d) Absorbance is measured at 600 nm.