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Working

Yale - Beta hydroxybutyrate (Cobas) 👄

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ABSTRACT

Summary:

Procedure used to determine the concentration of β -Hydroxybutyrate in blood, serum, and plasma. β -Hydroxybutyrate is measured by the oxidation to acetoacetate, followed by reduction of an indicator dye (monitored at 505 nm) by NADH.

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=215&docType=Protocol

MATERIALS

NAME Y	CATALOG # V	VENDOR ~
ß-Hydroxybutyrate Controls	H7587-CTL	Pointe Scientific Inc.
ß-Hydroxybutyrate Reagent (test kit includes standard).	H7587-58	Pointe Scientific Inc.

MATERIALS TEXT

Reagent Preparation:

ß-Hydroxybutyrate Controls: As supplied by vendor

ß-Hydroxybutyrate Reagent and Standard: As supplied by vendor

BEFORE STARTING

Analysis by automated system Cobas Mira Plus.

- Calibrate Cobas for β -Hydroxybutyrate by running a β -Hydroxybutyrate standard and three β -Hydroxybutyrate controls.
- Sample handling as performed by the Cobas Mira Plus.
 - a) Pipette 3 µL of sample into cuvette.
 - b) Add 105µL of ß-Hydroxybutyrate Reagent.
 - c) Mixture is incubated at 37°C for 10 minutes.
 - d) Absorbance is measured at 505 nm.

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