CREATIVE BIOMART®
Assay Kit

Ketone Body Assay Kit

Product Information

Cat.No. Kit-0492

Product Overview

Ketone Body Assay Kit is a quantitative colorimetric determination of ketone body at 340 nm.

Description

KETONE BODIES (acetoacetic acid and 3-hydroxybutyric acid) are produced in the liver mainly from oxidation of fatty acids, and are normally present at low concentrations in urine and blood. Increased ketone concentrations in the blood may lead to metabolic acidosis, which has been associated with diabetes, childhood hypo-glycaemia, growth hormone deficiency, alcohol or salicylate intoxication and inborn errors ofmetabolism.

Applications

Direct assays of ketone body in serum, plasma, urine and other biological samples.

Usage

For research use only (RUO)

Storage

Store all reagents at -20°C. Shelf life: 6 months after receipt.

Kit Components

AcAc Buffer 20 mLAcAc Reagent (Dried) 1 vialAcAc Standard 200 μLHBDH Enzyme 120 μLBOH Buffer 20 mLBOH Reagent 1 mLBOH Standard 200 μL

Detection method Colorimetric

Compatible Sample Types

Plasma, Serum

Features & Benefits

Sensitive and accurate: Uses 10 μL sample. Linear detection range of 0.12 to 8 mM for each ketone body in 96-well plate assay.Convenient: The procedure involves adding a single working

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reagent, and reading the optical density at room temperature.High-throughput: Can be automated as a high-throughput 96-well plate assay for many samples per day.

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