CREATIVE BIOMART®
Assay Kit

Uric Acid Assay Kit

Product Information

Cat.No. Kit-0839

Product Overview

Uric Acid Assay Kit is a quantitative colorimetric uric acid determination at 590 nm.

Description

Uric acid is the waste product produced from the degradation of purines. In healthy human, uric acid is filtered and removed from the blood by the kidneys and excreted into urine. Because a number of kidney diseases are known to affect uric acid levels, uric acid determination is thus important and useful in diagnosing and evaluating kidney diseases. For example, when uric acid is present in the blood at abnormally high levels, it tends to crystallize in body joints, resulting in gout, a very painful inflammatory condition. Increased levels of uric acid are also known to be associated with uremia, leukemia and pneumonia.

Applications

Direct Assays: uric acid in serum, plasma, urine and other biological samples.Drug Discovery/Pharmacology: effects of drugs on uric acid metabolism.

Usage

For research use only (RUO)

Storage

Store reagents at 4 °C, standard and blank control at -20 °C. Shelf life: 12 months after receipt.

Kit Components

Reagent A 50 mLReagent B 6 mLReagent C 6 mLStandard: 10 mg/dL uric acid 1 mLBlank Control 1 mL

Detection method Colorimetric

Compatible Sample Types

Plasma, Serum, Urine

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Features & Benefits

Sensitive and accurate: Use 5 μL samples. Linear detection range 0.22 mg/dL (13 μM) to 30 mg/dL (1785 μM) uric acid in 96-well plate assay.Simple and high-throughput: The procedure involves addition of a single working reagent and incubation for 30 min. Can be readily automated as a high-throughput assay in 96-well plates for thousands of samples per day.Improved reagent stability and versatility: The optimized formulation has greatly enhanced reagent and signal stability. Cuvet or 96-well plate assay.Low interference in biological samples: No pretreatments are needed. Assays can be directly performed on serum samples.

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