CREATIVE BIOMART®
Assay Kit

Oxalate Assay Kit

Product Information

Cat

Kit-2484

Cat.No. Kit-2484

Product Overview

Oxalate or Oxalic Acid is a metabolic breakdown product of the Kreb's Cycle in eukaryotes, and the glyoxylate cycle in other microorganisms. It can be found in the urine of humans and other mammals. Oxalate concentration can be used as a measure of kidney function where a high level of oxalate is an indicator for kidney stones which are primarily made of the insoluble salt calcium oxalate. Measuring oxalate is more accurate than measuring calcium as a marker for kidney stones because calcium is excreted at high concentrations even in normal urine. Simple and high-throughput assays for measuring oxalate concentration find wide applications. The oxalate assay kit uses a single Working Reagent that combines the oxalate oxidase reaction and color reaction in one step. The change in color intensity of the reaction product at 595 nm is directly proportional to oxalate in the sample.

Storage

-20°C

Shipping

On Ice

Size

100 tests

Detection method OD595nm

Compatible Sample Types

urine, animal and plant tissue samples.

Features & Benefits

Sensitive and accurate. Use as little as 10 µL samples. Linear detection range in 96-well plate for 10

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Oxalate Assay Kit

minute incubation: 20 to 1500 uM oxalate.
Fast and convenient. Sample pre-treatment is faster and easier than using activated carbon in competitor's assay kits.
High-throughput adaptable. The procedure involves addition of a single working reagent and incubation for 10 min at room temperature. Can be automated for processing thousands of samples per day.

Assay time
10 min
Sensitivity
20 μM

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