CREATIVE BIOMART®
Assay Kit

Ascorbic Acid Assay Kit

Product Information

Cat

Kit-2437

Cat.No. Kit-2437

Product Overview

Ascorbic acid (the L-enantiomer commonly known as vitamin C) is an important antioxidant found in living organisms and applied as additives in food and other industrial processes. By reacting with reactive oxygen species, it protects the cell from oxidative damages. method provides a simple, direct and high-throughput assay for measuring ascorbic acid. In this assay, ascorbic acid is oxidized by ascorbate oxidase resulting in the production of H2O2 which reacts with a specific dye to form a pink colored product. The color intensity at 570nm or fluorescence intensity (530/585 nm) is directly proportional to the ascorbic acid concentration in the sample.

Storage

-20°C

Shipping

On Ice

Size

100 tests

Detection method OD570nm, or FL530/585nm

Compatible Sample Types

Serum, plasma, urine, saliva, milk, tissue, and cell culture

Features & Benefits

Use 20 µL samples. Linear detection range: colorimetric assay 6 to 1000 µM, fluorimetric assay 1 to 100 µM ascorbic acid.

Assay time

Tel: 1-631-559-9269 1-516-512-3133
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10 min
Sensitivity
OD, FL: 6, 1 μM

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