

Ascorbic Acid Assay Kit

Cat. No. Kit-2437 **Lot. No.** (See product label)

SPECIFICATION

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 H ₂ O ₂ 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	10 min

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