

Ascorbic Acid Colorimetric/Fluorometric Assay Kit

Cat. No. Kit-1080 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description

Ascorbic Acid (Vitamin C) plays an important role in many biological processes. It is a potent anti-oxidant, anti-inflammatory, anti-viral agent, and an immune stimulant and is present in a wide variety of foods and biological specimens. It is important to be able to monitor ascorbic acid content in these different samples. Ascorbic Acid Assay Kit provides a rapid, simple, and sensitive means of detecting ascorbic acid in various biological samples. In this assay, our proprietary catalyst oxidizes ascorbic acid to produce a product that interacts with the ascorbic acid probe, generating color and fluorescence. Ascorbic acid can be easily determined by either colorimetric (spectrophotometry at $\lambda = 570$ nm) or fluorometric (Ex/Em = 535/587 nm) methods. The assay can detect 0.01-10 nmol of ascorbic acid per assay in various samples.

Applications The assay can detect 0.01-10 nmol of ascorbic acid per assay in various samples.

Storage -20°C

Shipping Gel Pack

Size 100 assays

Kit Components Ascorbic Acid Assay Buffer; Ascorbic Acid Probe (in DMSO); Catalyst; Ascorbic Acid Enzyme Mix (lyophilized); Ascorbic Acid Standard (20 μ mole)

Target Species Mammalian

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Detection method	Absorbance (570 nm) or Fluorescence (Ex/Em 535/587 nm)
Features & Benefits	Simple procedure; takes ~ 5 minutes for the reaction to complete; Fast and convenient