

## Ascorbic Acid Colorimetric/Fluorometric Assay Kit

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

### SPECIFICATION

<b>Description</b>	<p>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 <math>\lambda = 570</math> 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.</p>
<b>Applications</b>	The assay can detect 0.01-10 nmol of ascorbic acid per assay in various samples.
<b>Storage</b>	-20°C
<b>Shipping</b>	Gel Pack
<b>Size</b>	100 assays
<b>Kit Components</b>	Ascorbic Acid Assay Buffer; Ascorbic Acid Probe (in DMSO); Catalyst; Ascorbic Acid Enzyme Mix (lyophilized); Ascorbic Acid Standard (20 $\mu$ mole)
<b>Target Species</b>	Mammalian
<b>Detection method</b>	Absorbance (570 nm) or Fluorescence (Ex/Em 535/587 nm)

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 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Features & Benefits**

Simple procedure; takes ~ 5 minutes for the reaction to complete;  
Fast and convenient

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