CREATIVE BIOMART®
Assay Kit

Ascorbic Acid Colorimetric Assay Kit II (FRASC)

Product Information

Cat

Kit-1120

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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 biological specimens. Due to the presence of a variety of other antioxidants in biological samples such as serum, most ascorbic acid assays show strong interference. FRASC Assay Kit provides a rapid, simple, and sensitive means of detecting ascorbic acid in biological samples such as serum and other body fluids, tissue and cell extracts, growth media and food products. In this assay, Fe;; is reduced to Fe2; by any antioxidants present. The ferrous iron is chelated with a colorimetric probe to produce a product with a strong absorbance band which can be monitored between 545-600 nm. The addition of ascorbate oxidase to parallel samples removes any ascorbate present leaving a background value which is subtracted from the total to give ascorbate content. The assay can detect 0.2 to 20 nmol of ascorbic acid in various samples.

Applications

The assay can detect 0.2 to 20 nmol of ascorbic acid in various samples.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

FRASC Buffer; Ascorbic Acid Probe; FeCl3 solution; Ascorbate Oxidase (lyophilized); Ascorbic Acid

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CREATIVE BIOMART®
Assay Kit

Ascorbic Acid Colorimetric Assay Kit II (FRASC)

Standard (20 μmole)

Target Species

Mammalian

Detection method Absorbance (545-600 nm)

Features & Benefits

Simple procedure; takes ~ 30 minutes to complete the assay; Fast and convenient

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