CREATIVE BIOMART®
Assay Kit

Ascorbate Assay Kit

Product Information

Cat.No. Kit-0104

Product Overview

Ascorbate Assay Kit is a fluorescence-based method for assaying ascorbate.

Description

Ascorbate (L-Ascorbic acid or Vitamin C) is a six-carbon lactone that is synthesized from glucose in the liver of most mammalian species, but not by humans, non-human primates, and guinea pigs. These species do not have the enzyme gulonolactone oxidase, which is required for synthesis of the ascorbic acid immediate precursor 2-keto-1-gulonolactone. Therefore, humans must obtain ascorbate in their diet in order to survive. A lack of sufficient dietary ascorbate results in development of the fatal disease scurvy.

Usage

For research use only (RUO)

Storage

This kit will perform as specified if stored at -20°C and used before the expiration date.

Kit Components

Ascorbate Standard 2 vialsAscorbate Assay Buffer 1 vial/25 mlAscorbate DTPA 4 vials/500 µlAscorbate Substrate 2 vialsAscorbate Developer 2 vials96-Well Plate (black) 1 plate96-Well Cover Sheet 1 cover

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