CREATIVE BIOMART®
Assay Kit

Aldehyde Assay Kit

Product Information

Cat.No. Kit-0069

Product Overview

Aldehyde Assay Kit is a colorimetric assay for the quantification of aldehydes in a variety of applications with absorbance at 405 nm or 550 nm.

Description

Very reactive aldehydes, namely 4-hydroxyalkenals, were first shown to be formed in autoxidizing chemical systems. It was subsequently shown that 4-hydroxyalkenals, particularly 4-hydroxynonenal, were formed in substantial amounts under biological conditions, i.e. during the peroxidation of lipids of liver microsomes incubated in the NADPH-Fe system. Many other aldehydes were also identified in peroxidizing liver microsomes or hepatocytes, e.g., alkanals, alk-2-enals, and 4-hydroxyalkenals.

Applications

Aldehyde Assay Kit is a colorimetric assay for the quantification of aldehydes in a variety of applications with absorbance at 405 nm or 550 nm.

Usage

For research use only (RUO)

Storage

Keep at -20°C. Avoid exposure to light.

Kit Components

Component A: AldeView Yellow 2 bottlesComponent B: Assay Solution 10 mLComponent C: Aldehyde Standard 1 vialComponent D: Dilution Buffer 20 mL

Detection method Colorimetric

Features & Benefits

Broad Application: Can be used for quantifying aldehydes in a variety of applications such as carbohydrate, lipid chemistry, as well as enzyme reactions.Sensitive: Detect as low as 1 nanomole of aldehyde.Continuous: Easily adapted to automation without a separation step.Convenient:

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

CREATIVE BIOMART®
Assay Kit

Aldehyde Assay Kit

Formulated to have minimal hands-on time. No wash is required.Non-Radioactive: No special requirements for waste treatment.

Tel: 1-631-559-9269 1-516-512-3133

Email:info@creative-biomart.org

Fax:1-631-938-8127

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