CREATIVE BIOMART®
Assay Kit

Aldehyde Fluorometric Assay Kit

Product Information

Cat.No. Kit-0071

Product Overview

Aldehyde Assay Kit (Fluorometric) is a fluorescent assay for the quantification of aldehydes in a variety of applications.

Description

The formation, reactivity and toxicity of aldehydes originating from the peroxidation of lipids of cellular membranes have received great attention in recent years. Rapid and accurate measurement of aldehydes is an important task for biological research, chemical research, food industry and environmental pollution surveillance. There are a few reagents or assay kits available for quantifying the number of aldehydes. Most of the existing aldehyde test methods are based on separations either by the tedious and expensive HPLC-MS or GC-MS.

Applications

Aldehyde Assay Kit (Fluorometric) is used for quantifying aldehydes at higher pH. This kit uses a fluorogenic dye that generates a strongly fluorescent product upon reacting with an aldehyde.

Usage

For research use only (RUO)

Storage

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

Kit Components

Component A: AldeLight Blue 1 vialComponent B: Assay Buffer 30 mLComponent C: Reaction Buffer 6 mLComponent D: Aldehyde Standard 1 vialComponent E: DMSO 100 μl

Detection method Fluorometric

Features & Benefits

Broad Application: Used for quantifying aldehydes in a variety of applications, such as enzyme reactions.Sensitive: Detect as little as 0.3 nanomole of aldehyde in a 100 µL assay

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volume.Continuous: Easily adapted to automation without a separation step.Convenient: Formulated to have minimal hands-on time.Non-Radioactive: No special requirements for waste treatment.

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