CREATIVE BIOMART®
Assay Kit

Formaldehyde Fluorimetric Detection Kit (Green)

Product Information

Cat.No. Kit-2049

Product Overview

The Fluorimetric Formaldehyde Detection kit uses a proprietary fluorogenic dye that generates a green fluorescent product upon reacting with formaldehyde. The kit provides a sensitive, one-step fluorometric method to detect as little as 1 uM of formaldehyde in a 100 μL assay volume. The assay can be performed in a convenient 96-well or 384-well microtiter-plate format and easily adapted to automation without a separation step. Its signal can be easily read by a fluorescence microplate reader at Ex/Em = 410/525 nm.

Size

200 assays

Description

Formaldehyde is an organic compound with the formula CH2O. It is one of the well-identified volatile chemical contaminants responsible for indoor pollution and "building sick" syndrome disease and was recently classified as carcinogenic. The main sources for the CH2O pollution in air include painting, coating material and cigarette smoking. Rapid and accurate measurement of formaldehyde is an important task for biological research, food industry, chemical research and environmental pollution surveillance. There are a few reagents or assay kits available for quantifying formaldehyde. Most of the existing formaldehyde test methods are based on separations either by the tedious and expensive HPLC-MS or GC-MS.

Applications

The assay can be performed in a convenient 96-well or 384-well microtiter-plate format and easily adapted to automation without a separation step.

Storage

Keep Component A in freezer (-20°C) and avoid exposure to light, Component B, C&D at 4°C.

Kit Components

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

Formaldehyde Fluorimetric Detection Kit (Green)

Component A: AldeLight Green 1 vialComponent B: Assay Buffer 1 bottle (30 ml)Component C: 37.2% Formaldehyde Standard (12.3M) 1 vial (100 µl)Component D: DMSO 1 vial (100 µl)

Detection method	Microplate microplate reader (Ex/Em = 410/525 nm)

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