CREATIVE BIOMART®
Assay Kit

Formaldehyde Fluorometric Assay Kit

Product Information

Cat

Kit-2243

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Product Overview

Formaldehyde (HCHO) is the simplest aldehyde and one of the most often used organic compounds in industrial processes due to its high reactivity with a variety of chemicals. Endogenous HCHO can be produced in organisms via metabolic processes while exogenous HCHO can be absorbed after oral, dermal or inhalation exposure. HCHO is highly toxic due to its capacity to covalently bind to macromolecules, such as DNA, and is well known for its neurotoxicological effects. Exposure to relatively high levels of HCHO is believed to cause leukemia, nose and nasopharyngeal cancer, etc.; however the epidemiological evidence is unclear. It can also affect memory and learning capacity. Formaldehyde Assay kit provides a simple, sensitive, and high-throughput adaptable assay that detects biologically relevant concentrations of HCHO in various fluids and tissues. The assay is based on the oxidation of HCHO, producing a stable fluorescent signal, which is directly proportional to the amount of HCHO in samples. The kit can detect less than 2 μM of HCHO in a variety of samples.

Applications

Measurement of Formaldehyde in various biological samples.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

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Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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HCHO Assay Buffer; (in DMSO); HCHO Enzyme Mix (Lyophilized); HCHO Developer (Lyophilized); HCHO Standard (100 mM)

Detection method Fluorescence (Ex/Em = 535/587 nm)

Features & Benefits

Rapid, simple & sensitive;
High-throughput adaptable;
The kit can detect less than 2 μM of HCHO in a variety of samples.

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