CREATIVE BIOMART®
Assay Kit

Formaldehyde Assay Kit

Product Information

Cat

Kit-2491

Cat.No. Kit-2491

Product Overview

FORMALDEHYDE (methanal) is the simplest aldehyde. It is widely employed in industry for wide range of applications. Formaldehyde is also used as a disinfectant and is a commonly utilized tissue fixative and embalming agent. Formaldehyde is naturally present in all tissues and body fluids. Recently it has been shown that some cancer types exhibit elevated formaldehyde levels. Increased formaldehyde concentration in urine has been associated with prostate and bladder cancer. Thus, measuring formaldehyde in urine can be a very useful tool when studying cancer. newly designed Formaldehyde Assay Kit provides a convenient fluorimetric means to measure formaldehyde in biological samples. In the assay, formaldehyde is derivatized with acetoacetanilide in the presence of ammonia. The resulting fluorescent product is then quantified fluorimetrically (&lambdaexc/em = 370/470nm). The assay is simple, sensitive, stable and high-throughput adaptable. The assay can detect as low as 1.5 µM formaldehyde in biological samples.

Storage

4°C, RT

Shipping

RT

Size

100 tests

Detection method FL370/470nm

Compatible Sample Types

Biological, food, beverage,environment

Features & Benefits

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 Assay Kit

Safe. Non-radioactive assay.
Sensitive and accurate. As low as 1.5 μM (45 ppb) formaldehyde can be quantified.
Homogeneous and convenient. "Mix-incubate-measure" type assay. No wash and reagent transfer steps are involved.
Robust and amenable to HTS: Can be readily automated on HTS liquid handling systems for processing thousands of samples per day.

Assay time
30 min
Sensitivity
1.5 μM (45 ppb)

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