CREATIVE BIOMART®
Assay Kit

Formate Colorimetric Assay Kit

Product Information

Cat

Kit-2228

Cat.No. Kit-2228

Product Overview

Formic acid (HCOOH) is the simplest carboxylic acid and occurs naturally, notably in ant and bee venom. It is normally present at low levels in blood and urine (up to ~ 0.5 mM) but can be present in concentrations as high as 5 mM in acute methanol poisoning. Environmental exposure to formaldehyde can also elevate the blood and urine levels of formate. In the Formate Assay Kit, formate is oxidized to generate a product resulting in color formation (λ = 450 nm) proportional to formate concentration. The kit provides a convenient means for detecting formate in biological samples such as in serum or plasma, cells, culture and fermentation media. There is no need for pretrea;ent or purification of samples.

Applications

The assay can detect formate in the range from 0.5 to 10 nmols/well.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Formate Assay Buffer; Formate Enzyme Mix; Formate Substrate Mix; Formate Standard (100 mM)

Target Species

Mammalian

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Detection method Absorbance (450 nm)

Features & Benefits

Simple procedure; takes ~60 minutes;
Fast and convenient;
Kit contains all necessary reagents for accurate measurement of formate levels in a number of sample types

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