

Formate Colorimetric Assay Kit

Cat. No. Kit-2228 **Lot. No.** (See product label)

SPECIFICATION

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 ($\lambda = 450$ 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 pretreatment 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
Detection method	Absorbance (450 nm)

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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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