

Ethanol Colorimetric/Fluorometric Assay Kit

Cat. No. Kit-1058 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description

Alcohol (ethanol C₂H₅OH) is among the most widely consumed drinks. Low doses of alcohol may help circulation while heavy alcohol consumption may lead to various forms of disease. Quantitative determination of alcohol finds applications in basic research, drug discovery, clinical studies and fermentation industry processes. Ethanol Assay Kit provides a simple, rapid, and sensitive method for accurate quantification of ethanol concentration in a variety of biological samples such as serum, plasma, other body fluids, foods, beverages and growth media. Alcohol oxidase oxidizes ethanol to generate H₂O₂ which reacts with our probe to generate color (λ_{max} = 570 nm) and fluorescence (Ex/Em = 535/587 nm).. The kit detects 0.1-10 ppm alcohol (~10-800 nM).

Applications The kit detects 0.1-10 ppm alcohol (~10-800 nM).

Storage -20°C

Shipping Gel Pack

Size 100 assays

Kit Components

Ethanol Assay Buffer; Ethanol Probe (in DMSO, anhydrous); Ethanol Enzyme Mix (lyophilized); Ethanol Standard (MW:46.07, 17.15N)

Target Species Mammalian

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Detection method	Absorbance (570 nm) or Fluorescence (Ex/Em 535/587 nm)
Features & Benefits	Simple procedure; takes ~40 minutes - 1 hour; Fast and convenient; Kit contains the necessary reagents for accurate measurement of ethanol in biological samples

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