

## Ethanol Colorimetric/Fluorometric Assay Kit

### Product Information

**Cat**

Kit-1058

**Common Name**

Ethanol

**Cat.No.**

Kit-1058

**Description**

Alcohol (ethanol C<sub>2</sub>H<sub>5</sub>OH) 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 H<sub>2</sub>O<sub>2</sub> which reacts with our probe to generate color ( $\lambda_{\text{max}} = 570$  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**

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## Ethanol Colorimetric/Fluorometric Assay Kit

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

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**Target Species**

Mammalian

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**Detection method** Absorbance (570 nm) or Fluorescence (Ex/Em 535/587 nm)

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**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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