Ethanol Assay Kit

Cat. No. Kit-2492 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alcoholic drinks are among the daily consumed beverages. Studies have shown heavy alcohol consumption may lead to various forms of liver diseases and to increased mortality rates. Quantitative determination of alcohol (ethanol, C2H5OH) finds applications in basic research, drug discovery, clinic studies and winery. Simple, direct and automation-ready procedures for measuring ethanol concentration are very desirable. ethanol assay kit is based on an improved dichromate method, in which dichromate is reduced by ethanol to a bluish chromic (Cr3+) product. The intensity of color, measured at 580 nm, is a direct measure of the alcohol concentration in the sample. The optimized formulation substantially reduces interference by substances in the raw samples and exhibits high sensitivity.
Storage	4ºC
Shipping	RT
Size	500 tests
Detection method	OD580nm (Chemical)
Compatible Sample Types	Alcoholic beverages etc
Features & Benefits	Sensitive and accurate. Detection range 0.04 - 4% alcohol in 96-well plate assay. Convenient and high-throughput. The procedure involves adding a single working reagent, incubation for 8 min, adding a Stop Reagent, and reading the optical density.

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	Can be readily automated as a high-throughput 96-well plate assay for thousands of samples per day. Versatility. Assays can be executed in 96-well plate or cuvet.
Assay time	10 min
Sensitivity	0.0004

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