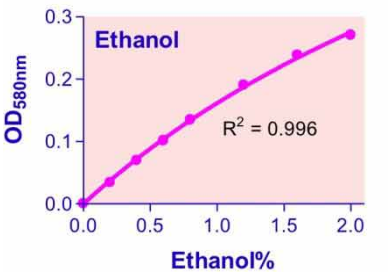
CD Ethanol Assay Kit

Catalog Number: AKBA071

Size: 500 tests

Price: Online Inquiry



Product Information

Product Name	CD Ethanol Assay Kit
Applications	For quantitative determination of ethanol and alcohol metabolism.
Features	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. 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 plates or cuvet.
Detection Method	OD580nm (Chemical)
Sample Type	Alcoholic beverages etc
Species	All
Assay Time	10 min
Limit of Detection	0.0004
Expiration Date	12 months
Description	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. CD 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.
Shipping Conditions	Shipping: RT
Storage	Storage: 4°C upon receipt