Ethanol Colorimetric Assay Kit

Cat No: HR3BC1300

For research use only

Overview

Detection Method	Colorimetric method
Storage	-20?
Instrument	Microplate reader (440-460 nm, optimum wavelength: 450 nm)
Assay Time	30 min
Validity	3
Assay Type	Quantitative
Sample Type	serum, plasma, wine
Synonyms	
Instrument	Microplate reader (440-460 nm, optimum wavelength: 450 nm)
Detection Principle	Ethanol dehydrogenase can catalyze oxidative dehydrogenation of ethanol to acetaldehyde, and NAD+ is reduced to produce NADH. NADH, under the action of 1-mPMS, transfer electrons to WST-8 to produce the yellow product, which has a characteristic absorption peak at 450 nm. Therefore, ethanol content can be quantified by measure the OD value at 450 nm.
Reagents	
Labware	Micropipettor, Vortex mixer, Centrifuge, Incubator (37?)
Size	96T
Sensitivity	0.27 ?mol/mL
Detection Range	0.27?17.0 ?mol/mL
Recovery Rate	96