Ethanol Assay

A plate based colorimetric/fluorometric assay to measure ethanol concentration in a variety of samples.

Ethanol plays a role in various metabolic pathways within the human body. When consumed, it is metabolized primarily in the liver via oxidative metabolism, involving alcohol dehydrogenase and acetaldehyde dehydrogenase, converting ethanol through toxic acetaldehyde, to acetate and eventually CO2 and water. Ethanol metabolism affects energy balance and nutrient utilization. The metabolism of ethanol takes priority over other macronutrients, leading to storage of excess carbohydrates and fats. Chronic alcohol consumption disrupts metabolic pathways, impacting liver function, lipid metabolism, and glucose regulation. AkrivisBio's Ethanol Assay provides a simple, sensitive method for precise measurement of ethanol in a variety of samples. In the assay, alcohol oxidase oxidizes ethanol forming H2O2 which is used to form resorufin with intense color and fluorescence with sensitivity to 0.05 nmol.

Ordering Information

Order Online »

AKR-MA-0131	100 wells

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	Colorimetric detection
Species Reactivity	Species independent
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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