



## Alcohol Dehydrogenase Activity Assay Kit

### Product Information

#### Cat.No.

Kit-0051

### Product Overview

ADH Activity Assay Kit is used for measuring alcohol dehydrogenase activity.

### Description

Alcohol dehydrogenase (Alcohol DH, ADH) (EC 1.1.1.1) is a group of seven dehydrogenase enzymes that occur in many organisms and facilitate the interconversion between alcohols and aldehydes or ketones with the reduction of NAD<sup>+</sup> to NADH. In humans and many other animals, they serve to break down alcohols which could otherwise be toxic; in yeast and many bacteria, some alcohol dehydrogenases catalyze the opposite reaction as part of fermentation. ADH Activity Assay Kit provides a convenient tool for sensitive detection of the ADH in a variety of samples. In the assay ADH will utilize isopropanol as a substrate leading to a proportional color development. The activity of ADH can be easily quantified colorimetrically ( $\lambda = 450 \text{ nm}$ ). This assay detects ADH activity as low as 0.01 mU in samples.

### Target Species

Mammals

### Usage

For research use only (RUO)

### Storage

Store the kit at -20°C, protect from light. Allow ADH Assay Buffer to warm to room temperature before use. Briefly centrifuge vials prior to opening. Read the entire protocol before performing the assay.

### Kit Components

ADH Assay Buffer. Cap code: WM. 25 mL Substrate. Cap code: blue. 1 mL Developer (Lyophilized). Cap code: red. 1 vial ADH Positive Control (Lyophilized). Cap code: green. 1 vial NADH Standard (0.5



CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

## Alcohol Dehydrogenase Activity Assay Kit

&mu;mol, Lyophilized). Cap code: yellow. 1 vial

---

**Detection method** Colorimetric

---

**Compatible Sample Types**

Biological Fluid, Cell Culture Supernatant, Culture Medium, Fermentation Medium, Food Sample, Plasma, Serum, Tissue Culture Supernatant, Urine

---

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)

Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA