

Alcohol Dehydrogenase Activity Assay Kit

Cat. No. Kit-0051 **Lot. No.** (See product label)

SPECIFICATION

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⁺ 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:

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

	green. 1 vialNADH Standard (0.5 μ 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  Fax: 1-631-938-8127

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