CREATIVE BIOMART®
Assay Kit

# Acetaldehyde Dehydrogenase (ALDH) Activity Assay Kit

## Product Information

**Product Overview**

Significance of Measurement: Acetaldehyde dehydrogenase (EC 1.2.1.10) is widely present in animals, plants, and microorganisms. It catalyzes the oxidation of acetaldehyde to acetate and plays a central role in alcohol metabolism and cellular detoxification.
Principle of Measurement: In the presence of NAD<sup>+</sup>, acetaldehyde dehydrogenase catalyzes the conversion of acetaldehyde to acetate with concurrent production of NADH. The increase in absorbance at 340 nm is used to calculate enzyme activity.

**Size**

100t/96s

**Storage**

Store at -20 °C. Shelf life: 6 months.

**Synonyms**

ALDH Kit

**Detection method** Spectrophotometer/Microplate Reader

**Technical Notes**

For measurements using a 96-well plate, a 96-well UV plate must be used.

**Materials Required but Not Supplied**

Analytical balance, centrifuge, UV–visible spectrophotometer or microplate reader, quartz cuvettes or 96-well plates, and distilled water.

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