CREATIVE BIOMART®
Assay Kit

Aldehyde Dehydrogenase Assay Kit

Product Information

Cat.No. Kit-2053

Product Overview

Aldehyde dehydrogenase (ALDH) is a family of enzymes that catalyze the conversion of various aldehydes to their corresponding carboxyolic acids. ALDH plays an important role in alcohol metabolism, converting acetaldehyde, which has carcinogenic, cytotoxicity, and mutagenicity affects, into acetic acid. The change in ALDH activity and expression levels can be used as a marker for cancer, cancer stem cells, and Parkinson"s disease. This colorimetric assay is based on aldehyde dehydrogenase-catalyzed oxidation of aldehyde, where the resulting NADH can then convert a nearly colorless probe to a colored product; the intensity of the colored product is proportional to the amount of ALDH in the sample, exhibiting maximum absorbance at 440nm.

Size

100 tests

Usage

The ALDH Assay kit measures the ALDH activity in different types of samples, including tissue lysate, cell lysate, and plasma. This product is for research purposes only and is not for use in animals, humans, or diagnostic procedures.

Storage

Storage: -20°C

Kit Components

Assay buffer 25 mL 4°CALDH positive control 20 μL -80°CDeveloper (10X) 0.1 mL -20°CNAD 0.5 mL -20°CWST 3.91 mg -20°CCofactor 0.5 mL 4°CSubstrate 0.5 mL -20°C

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