CREATIVE BIOMART®
Assay Kit

NADH Fluorometric Assay Kit

Product Information

Cat

Kit-2227

Cat.No. Kit-2227

Product Overview

NAD and NADH exist in all living organisms and are important for energy transformation and maintenance of the redox state of cells or tissues. The reduced form, NADH is a driving force for cells and plays a critical role in cell regulation and repair processes. It is of increasing interest to be able to measure low level of NADH in samples or in enzymatic reactions. NADH Assay kit provides a highly sensitive method to detect low level of NADH (NAD is not detected in the reaction). There is no requirement to purify NADH from samples. The NADH Recycling Enzyme Mix specifically recognizes NADH (not NADPH) in the enzyme recycling reaction. The assay is rapid, simple and can measure less than 8 nM NADH in a variety of samples.

Applications

Measurement of NADH in various tissues/cells;
Measurement of low levels of NADH in enzymatic reactions;
Analysis of metabolism and cell signaling in various cells.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

NADH Extraction Buffer; NADH Cycling Buffer; (DMSO); NAD Cycling Enzyme Mix (Lyophilized); NADH Standard (Lyophilized)

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Detection method Fluorescence (Ex/Em=535/587 nm)

Features & Benefits

Highly sensitive method to detect low levels of NADH.
Simple, fast and convenient.
This assay can measure less than 8 nM NADH in a variety of samples.

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