CREATIVE BIOMART®
Assay Kit

NADP/NADPH Assay Kit

Product Information

Cat

Kit-2434

Cat.No. Kit-2434

Product Overview

Pyridine nucleotides play an important role in metabolism and, thus, there is continual interest in monitoring their concentration levels. Quantitative determination of NADP+/NADPH has applications in research pertaining to energy transformation and redox state of cells or tissue. Simple, direct and automation-ready procedures for measuring NADP+/NADPH concentration are very desirable. NADP+/NADPH assay kit is based on a glucose dehydrogenase cycling reaction, in which the formed NADPH reduces a formazan (MTT) reagent. The intensity of the reduced product color, measured at 565 nm, is proportionate to the NADP+/NADPH concentration in the sample. This assay is highly specific for NADP+/NADPH and is not interfered by NAD+/NADH. Our assay is a convenient method to measure NADP, NADPH and their ratio.

Storage

-20°C

Shipping

On Ice

Size

100 tests

Detection method OD565nm

Compatible Sample Types

Cell, tissue extracts etc

Features & Benefits

Sensitive and accurate. Detection limit 0.1 μM, linearity up to 10 μM NADP+/NADPH in 96-well plate assay.

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

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Convenient. The procedure involves adding a single working reagent, and reading the optical density at time zero and 30 min at room temperature. No 37°C heater is required.
High-throughput. Can be readily automated as a high-throughput 96-well plate assay for thousands of samples per day.

Assay time
30 min
Sensitivity
0.1 μM

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