



## 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<sup>+</sup>/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<sup>+</sup>/NADPH concentration are very desirable. NADP<sup>+</sup>/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<sup>+</sup>/NADPH concentration in the sample. This assay is highly specific for NADP<sup>+</sup>/NADPH and is not interfered by NAD<sup>+</sup>/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**



CREATIVE BIOMART<sup>®</sup>  
Assay Kit

## NADP/NADPH Assay Kit

Sensitive and accurate. Detection limit 0.1  $\mu\text{M}$ , linearity up to 10  $\mu\text{M}$  NADP<sup>+</sup>/NADPH in 96-well plate assay.

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.

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### Assay time

30 min

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### Sensitivity

0.1  $\mu\text{M}$

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