CREATIVE BIOMART®
Assay Kit

Nitric Oxide Assay Kit

Product Information

Cat

Kit-2433

Cat.No. Kit-2433

Product Overview

Nitric oxide (NO) is a reactive radical that plays an important role in many key physiological functions. NO, an oxidation product of arginine by nitric oxide synthase, is involved in host defense and development, activation of regulatory proteins and direct covalent interaction with functional biomolecules. Simple, direct and automation-ready procedures for measuring NO are becoming popular in Research and Drug Discovery. Since NO is oxidized to nitrite and nitrate, it is common practice to quantitate total NO2-/NO3- as a measure for NO level. Nitric Oxide Assay Kit is designed to accurately measure NO production following reduction of nitrate to nitrite using improved Griess method. The procedure is simple and the time required for sample pretreatment and assay is reduced to as short as 30 min.

Storage

4°C

Shipping

RT

Size

100 tests

Detection method OD540nm

Compatible Sample Types

Plasma, serum, urine, tissue/cells and foods

Features & Benefits

Sensitive and accurate. Detection range 0.6 - 200 μM in 96-well plate.
Rapid and reliable. Using an optimized VCl3 reagent, the time required for reduction of nitrate

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(NO3-) to nitrite (NO2-) is 10 min at 60°C.
Simple and high-throughput. The procedure involves mixing sample with three reagents, incubation for 10 min at 60°C and reading the optical density. Can be readily automated to measure thousands of samples per day.

Assay time
40 min
Sensitivity
0.6 μM

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