CREATIVE BIOMART®
Assay Kit

Nitric Oxide Synthase Assay Kit

Product Information

Cat

Kit-2457

Cat.No. Kit-2457

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 (NOS), is involved in host defense and development, activation of regulatory proteins and direct covalent interaction with functional biomolecules. Simple, direct and non-radioactive procedures for measuring NOS are becoming popular in Research and Drug Discovery. Nitric Oxide Synthase Assay Kit involves two steps: a NOS reaction step during which NO is produced followed by an NO detection step. Since the NO generated by NOS is rapidly oxidized to nitrite and nitrate, the NO production is measured following reduction of nitrate to nitrite using an improved Griess method. The procedure is simple and the time required for sample pretreatment and assay is reduced to as short as 40 min.

Storage

4, -20°C

Shipping

On Ice

Size

100 tests

Detection method OD540nm

Compatible Sample Types

Biological

Features & Benefits

Sensitive and accurate. Detection range 0.25 - 25 U/L in 96-well plate.
Rapid and reliable. Can be completed in 40 min if reduction of NO3- to NO2- is performed at 60°C.

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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Sensitivity
0.25 U/L

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