CREATIVE BIOMART®
Assay Kit

Nitric Oxide Fluorometric Assay Kit

Product Information

Cat

Kit-2242

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Product Overview

Nitric oxide (NO) plays an important role in neurotransmission, vascular regulation, immune response and apoptosis. Since NO is rapidly converted to nitrite ($NO2^-$) and nitrate ($NO3^-$), the total concentration of nitrite and nitrate is used as a quantitative measure of NO production. Nitric Oxide Fluorometric Assay Kit provides an accurate and convenient measurement of total nitrate/nitrite concentration in a simple two-step process. In the first step nitrate is converted to nitrite by nitrate reductase. In the second step, nitrite reacts with the fluorescent probe DAN (2, 3 diaminonaphthalene). NaOH enhances the fluorescent yield. The fluorescent intensity is proportional to the total nitric oxide production. The kit has been tested with culture media, plasma, and tissue homogenates.

Applications

Measurement of total nitrate/nitrite concentration.

Storage

-20°C

Shipping

Gel Pack

Size

2 x 96 assays

Kit Components

Assay Buffer; Enzyme Cofactor; Enhancer; Nitrate Reductase; Nitrate Standard; Nitrite Standard; DAN Probe; Sodium Hydroxide; Microtiter plate; Plate Cover

Target Species

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

CREATIVE BIOMART®
Assay Kit

Nitric Oxide Fluorometric Assay Kit

Mammalian

Detection method Fluorescence (Ex/Em 380/461 nm)

Features & Benefits

Simple procedure; takes only 2-3 hours;
Fast and convenient;
The fluorometric kit provides a simple two-step process for quantitative measurement of total nitrate/nitrite productions.
The assay can be easily done in a 96-well plate.

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