CREATIVE BIOMART®
Assay Kit

Nitrate/Nitrite Colorimetric Assay Kit

Product Information

Cat.No. Kit-0627

Product Overview

Nitrate/Nitrite Colorimetric Assay Kit is a measurement for detecting total nitratr/nitrite concentration.

Description

Nitric Oxide (NO) is synthesized in biological systems by the enzyme Nitric Oxide Synthase (NOS). NOS is a remarkably complex enzyme which acts on molecular oxygen, arginine, and NADPH to produce NO, citrulline, and NADP+. This process requires five additional cofactors (FMN, FAD, Heme, calmodulin, and tetrahydrobiopterin) and two divalent cations (calcium and heme iron). Three distinct isoforms of NOS have been identified.

Usage

For research use only (RUO)

Storage

This kit will perform as specified if stored as directed at -20°C and used before the expiration date indicated on the outside of the box.Item StorageNitrate/Nitrite Assay Buffer 4°CNitrate Reductase Enzyme Preparation -20°CNitrate Reductase Cofactor Preparation -20°CNitrate Standard 4°CNitrite Standard 4°CGriess Reagent R1 4°CGriess Reagent R2 4°C96-Well Plate (Colorimetric Assay) Room Temperature96-Well Cover Sheet Room Temperature

Kit Components

Nitrate/Nitrite Assay Buffer 1 vialNitrate Reductase Enzyme Preparation 2 vialsNitrate Reductase Cofactor Preparation 2 vialsNitrate Standard 1 vialNitrite Standard 1 vialGriess Reagent R1 2 vialsGriess Reagent R2 2 vials96-Well Solid Plate (Colorimetric Assay) 3 plates96-Well Cover Sheet 3 covers

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