

Nitrate/Nitrite Colorimetric Assay Kit (LDH method)

Product Information

Cat.No.

Kit-0628

Product Overview

Nitrate/Nitrite Colorimetric Assay Kit (LDH method) is a measurement for detecting low levels of nitrite.

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 at -20°C and used before the expiration date indicated on the outside of the box. Component Storage Nitrate/Nitrite Assay Buffer 4°C Nitrate Reductase (LDH method) -20°C Lactate Dehydrogenase Cofactor Preparation -20°C Nitrate Standard 4°C or Room Temperature Lactate Dehydrogenase -20°C Griess Reagent R1 4°C Griess Reagent R2 4°C 96-Well Plate (Colorimetric Assay) Room Temperature 96-Well Cover Sheets Room Temperature

Kit Components

Nitrate/Nitrite Assay Buffer 1 vial Nitrate Reductase (LDH method) 1 vial Lactate Dehydrogenase Cofactor Preparation 1 vial Nitrate Standard 1 vial Lactate Dehydrogenase 1 vial Griess Reagent R1 1 vial Griess Reagent R2 1 vial 96-Well Plate (Colorimetric Assay) 1 plate 96-Well Cover Sheets 1 cover