CREATIVE BIOMART®
Assay Kit

Micro NO Content Assay Kit

Product Information

Product Overview

Significance: Nitric oxide (NO) is widely distributed in the nervous, cardiovascular, respiratory, digestive, and urogenital systems, with particularly high abundance in neural tissues. As a signaling molecule, NO plays important roles in physiological and pathological processes.
Principle: NO is readily oxidized to nitrite (NO₂⁻) in vivo or in aqueous solutions. Under acidic conditions, nitrite reacts with sulfanilamide to form a diazonium compound, which subsequently couples with N-(1-naphthyl)ethylenediamine to produce a chromophore exhibiting a characteristic absorbance at 550 nm. Sample blanks are required to eliminate interference from endogenous pigments.

Size

100t/96s

Storage

Store at -20 °C. Shelf life: 6 months.

Detection method Spectrophotometer/Microplate Reader

Materials Required but Not Supplied

Analytical balance, mortar or homogenizer, visible spectrophotometer or microplate reader, quartz cuvettes or 96-well plates, distilled water.

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