



## Nitric Oxide Content Assay kit

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Nitric Oxide (NO) is a highly unstable biological free radical with small molecule, simple structure. NO is gas at room temperature, slightly soluble in water and fat-soluble, which can diffuse through biomembrane quickly. As a new biological messenger molecule, it plays a role in transmitting signals between cells and within cells. It is widely distributed in various tissues, especially neural tissues. It also plays a very important role in the nervous, circulatory, respiratory, digestive and urogenital systems of the body. NO is easily oxidized to form NO<sub>2</sub><sup>-</sup> in the body or in aqueous solution. Under acidic conditions, NO<sub>2</sub><sup>-</sup> and Diazonium sulfonamide produce diazo compounds. The compounds could further couple with naphthyl vinyl diamine. The product has a characteristic absorption peak at 550 nm and its absorbance value can be measured to calculate the NO content.

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| Catalog No.       | 250548                 |
| Size              | 50 Assays / 100 Assays |
| Product Category  | Colorimetric Assay     |
| Storage/Stability | 2-8°C/6 months         |
| Shipping          | Gel Packs              |