



Nitric Oxide Synthase Activity Assay kit

Nitric Oxide Synthase (NOS, EC 1.14.13.39) is a kind of enzyme that catalyzes the synthesis of NO from L-arginine in vivo. It mainly exists in vascular smooth muscle cells, macrophages, endothelial cells, nerve cells, liver cells, glomerular membrane cells and other cells. As a cell signal molecule, it plays a very important role in the nervous, immune and cardiovascular systems of the body. NOS catalyzes L-arginine, molecular oxygen and NADPH to form NO and NADP⁺. NO is easily oxidized to form NO₂⁻ and NO₃⁻ in aqueous solution. Under acidic conditions, NO₂⁻ 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 NOS activity.

Catalog No.	250568
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Storage/Stability	-20°C/6 months
Shipping	Gel Packs