



Glycerol-3-Phosphate Oxidase Activity Assay kit

Glycerol-3-phosphate oxidase (GPO, EC 1.1.3.21) is an enzyme present in the cytoplasm, mainly involved in a part of the fat metabolism pathway, known as the glycerol phosphate pathway. Glycerol phosphate oxidase (GPO) oxidizes glycerol phosphate to dihydroxyacetone phosphate and produces hydrogen peroxide. Under the action of alpha-glycerophosphate dehydrogenase, NADH and dihydroxyacetone phosphate produce alpha-glycerophosphate and NAD⁺, causing a decrease in absorbance at 340nm. The activity of glycerol-3-phosphate oxidase can be calculated by measuring the change of NADH.

Catalog No.	250612
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	-20°C/6 months
Shipping	Gel Packs