



Superoxide Dismutase Activity Assay kit

SOD (EC 1.15.1.1) is widely present in animals, plants, microorganisms and cultured cells. It catalyzes the disproportionation of superoxide anions to generate H₂O₂ and O₂. SOD is not only the superoxide anion scavenging enzyme, but also the main H₂O₂ generating enzyme, which plays an important role in the biological antioxidant system.

Superoxide anion (O₂⁻) is generated through the xanthine and xanthine oxidase reaction system, O₂⁻ can reduce the nitrogen blue tetrazole to produce blue formazan, which absorbs at 560nm; SOD can remove O₂⁻, thereby inhibiting the formation of formazan; the darker the blue of the reaction solution, the lower the SOD activity, and vice versa the higher the activity.

Catalog No.	250017
Size	50 Assays / 100 Assays
Product Category	Enzymatic / Metabolic Assay
Detection Method	Visible Spectrophotometry
Storage/Stability	2 ~ 8°C/1 year
Shipping	Gel Packs