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Product Datasheet

Superoxide Dismutases (SOD) Activity Colorimetric Assay Kit BYT-ORB1173252

Article Name	Superoxide Dismutases (SOD) Activity Colorimetric Assay Kit
Biozol Catalog Number	BYT-ORB1173252
Supplier Catalog Number	orb1173252
Alternative Catalog Number	BYT-ORB1173252-48, BYT-ORB1173252-96
Manufacturer	Biorbyt
Category	Kits/Assays
Product Description	Superoxide dismutase (SOD) Activity Assay Kit provides a colorimetric assay for the quantitative determination of SOD enzyme activity in biological fluids. In the assay, superoxide anion is provided by a xanthine oxidase (XO) catalyzed reaction....
Samples	Serum, Plasma, Animal and Plant Tissues, Cells, Bacteria, Fungus
Application Notes	Application Notes: Superoxide dismutase (SOD) Activity Assay Kit provides a simple and easy colorimetric assay for the quantitative determination of SOD enzyme activity in serum, plasma, tissue/cell lysates and other biological fluids. In the assay, superoxide anion (O ₂ ⁻) is provided by xanthine oxidase (XO) catalyzed reaction. O ₂ ⁻ reacts with a tetrazolium salt WST-8 dye to form a water-soluble colored formazan product. SOD scavenges the O ₂ ⁻ thus less O ₂ ⁻ is available for the chromogenic reaction. This inhibition activity of SOD is measured by colorimetric method at OD 450 nm