CREATIVE BIOMART®
Assay Kit

Total Mercapto (-SH) Content Assay Kit

Product Information

Product Overview

Significance of Measurement: Superoxide dismutase (SOD) is a key antioxidant enzyme that catalyzes the dismutation of superoxide radicals into hydrogen peroxide and oxygen. It plays a critical role in protecting cells against oxidative stress.
Principle of Measurement: SOD inhibits the reduction of nitroblue tetrazolium (NBT) by superoxide radicals. The degree of inhibition, measured by absorbance at 560 nm, is used to calculate SOD activity.

Size

50t/24s

Storage

Store at 2–8 °C. Shelf life: 6 months.

Detection method Spectrophotometer

Materials Required but Not Supplied

Visible spectrophotometer or microplate reader, water bath, benchtop centrifuge, adjustable pipettes, quartz cuvettes or 96-well plates, and distilled water.

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