SOD activity kit

ELS offers a large collection of superoxide dismutase products for oxidative stress research.

This is a versatile assay for the determination of SOD activity. Differentiate between the activity of three SOD isoenzymes: MnSOD, FeSOD, and Cu/ZnSOD. Obtain higher throughput sample analysis with a convenient colorimetric 96 well plate format and fast results in just 10 minutes.

SOD (Superoxide dismutase) is responsible for the elimination of cytotoxic active oxygen by catalyzing the dismutation of the superoxide radical to oxygen and hydrogen peroxide. There are three SOD isoenzymes in mammalian cells, they are: EC SOD (extracellular SOD), Cu/Zn SOD (copper and zinc-containing SOD) and Mn SOD (manganese-containing SOD).

Citations: 49 View Online »

Ordering Information

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ADI-900-157	5x96 wells

Manuals, SDS & CofA

View Online »

- Versatile - differentiate between activity of three SOD isoenzymes: MnSOD, FeSOD, and Cu/ZnSOD
- Higher throughput - colorimetric 96 well plate format
- Fast - results in just 10 minutes

Handling & Storage

Use/Stability	Store all components at 4°C, except SOD standard and Xanthine Oxidase at -20°C.
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Superoxide dismutase
Application	Activity assay, Colorimetric detection
Application Notes	For the measurement of total SOD activity in cell lysates and tissue from any species. Cited sample type includes serum and gastric mucosa homogenates (ref.).
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	Microtiter plate, Standard, SOD buffer concentrate, Xanthine oxidase, Xanthine solution, Triton x-100, WST-1 reagent

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