

Total Superoxide Dismutase (T-SOD) Assay Kit

Catalogue No.: abx294017

Total Superoxide Dismutase (T-SOD) Assay Kit is an assay kit for the detection and quantification of Total Superoxide Dismutase (T-SOD) activity in serum, plasma, tissue homogenates, cell lysates, cell culture supernatants and urine using a microplate reader (Hydroxylamine Method). The superoxide anion free radical (O_2^-) can be produced by xanthine and xanthine oxidase reaction system, O_2^- oxidize hydroxylamine to form nitrite, it turn to purple under the reaction of developer. When the measured samples containing SOD, the SOD can specifically inhibit superoxide anion free radical (O_2^-). The inhibitory effect of SOD can reduce the formation of nitrite, the absorbance value of sample tube is lower than control tube. Calculate the SOD of sample according to the computational formula.

Target: Total Superoxide Dismutase (T-SOD)

Storage: Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual.

Validity: The validity for this kit is 12 months.

Test Range: 2.4 U/ml - 61 U/ml

Sensitivity: 2.4 U/ml

Detection Method: Colorimetric

Assay Data: Quantitative

Sample Type: Serum, plasma, tissue homogenates, cell lysates, cell culture supernatants and urine.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.