Kit (WST-1 Method) Of Superoxide Anionic Colorimetric Assay

Cat No: HR3BC1235

For research use only

Overview

Detection Method	Colorimetric method
Storage	Reagent 3: -20?, others: 2-8?
Instrument	Microplate reader(440-460 nm,optimum wavelength: 450 nm)
Assay Time	35 min
Validity	6
Assay Type	Activity
Sample Type	Serum,plasma,urine,cells,cell culture supernatant,leucocyte
Synonyms	
Instrument	Microplate reader(440-460 nm,optimum wavelength: 450 nm)
Detection Principle	Superoxide anion free radicals are produced through the reaction system of xanthine and xanthine oxidase. WST-1 (a water-soluble tetrazolium salt) can react with the generated superoxide anion to produce water-soluble formazan. When the tested sample contains the superoxide anion free radical inhibitor, it can inhibit the formation of formazan. When the tested sample contains the substance that produces superoxide anion free radical, it can promote the formation of formazan dye. By colorimetric analysis of WST-1 products, the units of activity of inhibition or production of superoxide anion radical in samples can be calculated.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Multi-channel pipettor, Incubator, Vortex mixer, Centrifuge
Size	96T
Sensitivity	
Detection Range	
Recovery Rate	100