

Total Antioxidant Capacity (T-AOC) Colorimetric Assay Kit Cat No: HR3BC1210

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader(500-520 nm,optimum wavelength: 520 nm)
Assay Time	50 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Serum,plasma,whole blood,tissue,cells,cell culture supernatant
Synonyms	T-AOC
Instrument	Microplate reader(500-520 nm,optimum wavelength: 520 nm)
Detection Principle	A variety of antioxidant macromolecules, antioxidant molecules and enzymes in a system can eliminate all kinds of reactive oxygen species and prevent oxidative stress induced by reactive oxygen species. The total level reflect the total antioxidant capacity in the system. Many antioxidants in the body can reduce Fe3+ to Fe2+ and Fe2+ can form stable complexes with phenanthroline substance. The antioxidant capacity (T-AOC) can be calculated by measuring the absorbance at 520 nm.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Centrifuge, Incubator, Vortex mixer
Size	96T
Sensitivity	0.62 U/mL
Detection Range	0.62-190.43 U/mL
Recovery Rate	96