

Method Antioxidant Capacity (T-AOC) Colorimetric Assay Kit (FRAP)

Cat No: HR3BC1189

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Microplate reader(590-600 nm)
Assay Time	20 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,saliva,urine,tissue,cells,cell culture supernatant
Synonyms	T-AOC
Instrument	Microplate reader(590-600 nm)
Detection Principle	Fe ³⁺ -TPTZ can be reduced by antioxidants and produce blue Fe ²⁺ -TPTZ under acid condition. The antioxidant capacity of sample can be calculated by detection the absorbance value at 593 nm.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Balance, Incubator, Micropipettor
Size	96T
Sensitivity	0.049 mmol/L
Detection Range	0.049-2.5 mmol/L
Recovery Rate	103