CREATIVE BIOMART®
Assay Kit

Total Antioxidant Capacity (T-AOC) Assay Kit

Product Information

Product Overview

Significance: Total antioxidant capacity reflects the combined effects of antioxidants and antioxidant enzymes present in samples. It is widely used to evaluate antioxidant status in biological fluids, cell or tissue lysates, plant extracts, traditional herbal extracts, and antioxidant solutions. Principle: Under acidic conditions, antioxidants reduce Fe³⁺–TPTZ complexes to Fe²⁺–TPTZ, forming a blue-colored product. The reduction capacity is proportional to total antioxidant capacity.

Size

100t/96s

Storage

Store at -20 °C. Shelf life: 1 year.

Synonyms

T-AOC Kit

Detection method Spectrophotometer/Microplate Reader

Materials Required but Not Supplied

Thermostatic water bath, refrigerated centrifuge, visible spectrophotometer or microplate reader, quartz cuvettes or 96-well plates, distilled water.

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