

General Total Antioxidant Capacity (T-AOC) Assay Kit | T-AOC assay kit

Total Antioxidant Capacity (T-AOC) Colorimetric Assay Kit

CATALOG #
AAA176974

REACTIVITY
General

PRODUCT SYNONYMS

Total Antioxidant Capacity (T-AOC); Total Antioxidant Capacity (T-AOC) Colorimetric Assay Kit; T-AOC assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Serum, plasma, whole blood, tissue, cell, culture supernatant samples
Detection Range	0.62-190.43 U/mL
Sensitivity	0.62 U/mL
Intra-assay Precision	The intra-assay CV is 4.8%.
Inter-assay Precision	The inter-assay CV is 5.6%.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

ADDITIONAL INFORMATION

Related Product Information for T-AOC assay kit

Principle of the Assay: 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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/general-assay-kits/total-antioxidant-capacity-t-aoc/176974>