

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

Total Antioxidant Capacity (T-AOC) Colorimetric Assay Kit (ABTS, Chemical Method)

CATALOG #
AAA176977

REACTIVITY
General

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Serum, plasma, urine, saliva, tissue, cells or other sample
Detection Range	0.05-1.00 mmol/L
Sensitivity	0.05 mmol/L
Intra-assay Precision	The intra-assay CV is 4.1%.
Inter-assay Precision	The intra-assay CV is 4.1%.
Preparation and Storage	Store at -20 degree C. Valid for 12 months

ADDITIONAL INFORMATION

Related Product Information for T-AOC assay kit

Principle of the Assay: The principle of the ABTS method for determining the T-AOC is as follows. ABTS is oxidized to green ABTS⁺ by appropriate oxidant, which can be inhibited if there exist antioxidants. The T-AOC of the sample can be determined and calculated by measuring the absorbance of ABTS⁺ 734 nm. Trolox is an analog of VE and has a similar antioxidant capacity to that of VE. Trolox is used as a reference for other antioxidant antioxidants. For example, the T-AOC of Trolox is 1, then the antioxidant capacity of the other substance with the same concentration is showed by the ratio of its antioxidant capacity to Trolox antioxidant capacity.

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/176977>