

Total antioxidant capacity Assay Kit

Total antioxidant capacity assay kit (Colorimetric method)

CATALOG #
AAA22077

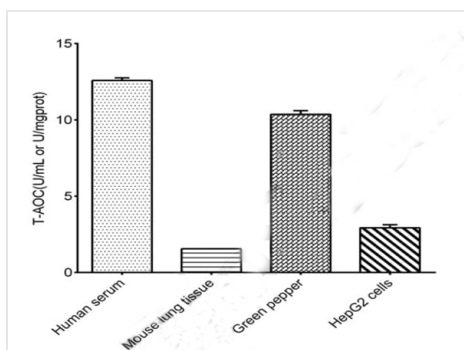
PRODUCT SYNONYMS

Total antioxidant capacity; Total antioxidant capacity assay kit (Colorimetric method); Total antioxidant capacity assay kit

PRODUCT SPECIFICATIONS

Specificity	50 Assays(25 samples)/ 100 Assays(50 samples)
Samples	Serum, plasma, saliva, urine, tissue and cells samples
Detection Range	0.62-145.2 U/mL
Sensitivity	0.62 U/mL
Intra-assay Precision	Three human serum samples were assayed in replicates of 20 to determine precision within an assay. (CV = Coefficient of Variation)
Inter-assay Precision	Three human serum samples were assayed 20 times in duplicate by three operators to determine precision between assays.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Total antioxidant capacity 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 Fe^{3+} to Fe^{2+} and Fe^{2+} can form stable complexes with phenanthroline substance. The antioxidant capacity (T-AOC) can be calculated by measuring the absorbance at 520 nm.

Intended Uses: This kit can be used for detection of total antioxidant capacity (T-AOC) in serum, plasma, saliva, urine, tissue and cells samples.

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.

