

## Total Antioxidant Status (TAS) Assay Kit

Catalogue No.: abx295018

Total Antioxidant Status Assay Kit is an assay kit designed for the detection and quantification of Total Antioxidant Status (TAS) in serum, plasma, tissue homogenates, cell culture supernatants and urine using a microplate reader. ABTS can be oxidized to green ABTS<sup>•+</sup> using an oxidizing reagent, which can be reduced to colorless ABTS in the presence of antioxidants. The TAS of the sample can be determined and calculated by measuring the absorbance of ABTS<sup>•+</sup> at 660 nm. Trolox is an analog of Vitamin E and has a similar antioxidant state to that of Vitamin E. Trolox is used as a reference substance for total antioxidant status.

**Target:** Total Antioxidant Status (TAS)

**Reactivity:** General

**Storage:** Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual.

**Validity:** The validity for this kit is 12 months.

**Test Range:** 0.23 mmol Trolox Equiv./L - 2 mmol Trolox Equiv./L

**Sensitivity:** 0.23 mmol Trolox Equiv./L

**Detection Method:** Colorimetric

**Assay Data:** Quantitative

**Sample Type:** Serum, plasma, tissue homogenates, cell culture supernatants and urine.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.