



# Total Antioxidant Status (TAS) Colorimetric Assay Kit

Cat No: HR3BC1273

For research use only

## Overview

Detection Method	Colorimetric method
Storage	-20?
Instrument	Microplate reader(650 nm-670 nm,optimum wavelength: 660 nm)
Assay Time	30 min
Validity	6
Assay Type	Quantitative
Sample Type	serum, plasma, urine, cellular supernatant, animal, plant tissue
Synonyms	TAS
Instrument	Microplate reader(650 nm-670 nm,optimum wavelength: 660 nm)
Detection Principle	ABTS is oxidized to green ABTS <sup>•+</sup> by appropriate oxidant, 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 VE and has a similar antioxidant state to that of VE. Trolox is used as a reference substance for total antioxidant status.
Reagents	60% Ethanol
Labware	Micropipettor, 37? incubator.
Size	96T
Sensitivity	0.23 mmol Trolox Equiv./L
Detection Range	0.23-2 mmol Trolox Equiv./L
Recovery Rate	99