

BCA Protein Colorimetric Assay Kit

Cat No: HR3BC1178

For research use only

Overview

Detection Method	Colorimetric method
Storage	RT
Instrument	Microplate reader(540-590 nm, optimum wavelength: 562 nm)
Assay Time	40 min
Validity	12
Assay Type	Quantitative
Sample Type	Serum,plasma,cell culture supernatant,tissue,cells
Synonyms	TP
Instrument	Microplate reader(540-590 nm, optimum wavelength: 562 nm)
Detection Principle	Cu ²⁺ can be reduced to Cu ⁺ by protein in alkaline condition. Cu ⁺ can combine with BCA reagent and form purple complex, which has a maximum absorption peak at 562 nm. The absorbance value is proportional to the protein concentration. Therefore, the protein concentration can be calculated according to the OD value.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Vortex mixer, Micropipettor, Incubator
Size	500Assays
Sensitivity	0.0165 mg/mL
Detection Range	0.0165-1 mg/mL
Recovery Rate	100