

Total Sulfhydryl Group/Total Thiol (-SH) Colorimetric Assay Kit

Cat No: HR3BC1266

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader(410 nm-420 nm,optimum wavelength: 412 nm)
Assay Time	20 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum, plasma, animal tissue
Synonyms	T-SH
Instrument	Microplate reader(410 nm-420 nm,optimum wavelength: 412 nm)
Detection Principle	Sulfhydryl compounds react with 5,5' -dithiobis (2-nitrobenzoic acid) under neutral or alkaline conditions to produce a yellow product which have a maximum absorption peak at 412 nm. Measure the OD value and calculate the total mercapto content indirectly.
Reagents	Absolute ethyl alcohol
Labware	Micropipettor, Water bath, Incubator, Vortex mixer, Centrifuge
Size	96T
Sensitivity	9.91 ?mol/L
Detection Range	9.91-1000 ?mol/L
Recovery Rate	104