

Colorimetric Assay Kit (T-GSH)/Oxidized Glutathione (GSSG)

Cat No: HR3BC1229

For research use only

Overview

Detection Method	Colorimetric method
Storage	Reagent 2, Reagent 4, Reagent 8, Reagent 9: -20?; others: 2-8?
Instrument	Spectrophotometer(412 nm)
Assay Time	180 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,animal tissue,red blood cells,cultured cells
Synonyms	T-GSH,GSSG
Instrument	Spectrophotometer(412 nm)
Detection Principle	GSSG is reduced to GSH by glutathione reductase, and GSH can react with DTNB to produce GSSG and yellow TNB. The amount of total glutathione (GSSG+GSH) determines the amount of yellow TNB. Thus the total glutathione can be calculated by measuring the OD value at 412 nm. The content of GSSG can be determined by first removing GSH from the sample with appropriate reagent and then using the above reaction principle.
Reagents	PBS(0.01 M, pH 7.4), Absolute ethanol
Labware	Micropipettor, Incubator, Vortex mixer, Centrifuge
Size	100Assays
Sensitivity	0.12 ?mol/L T-GSH
Detection Range	0.12-30 ?mol/L T-GSH
Recovery Rate	97