

Reduced Glutathione (GSH) Colorimetric Assay Kit

Cat No: HR3BC1167

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Spectrophotometer(420 nm)
Assay Time	50 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,tissue,cells
Synonyms	GSH
Instrument	Spectrophotometer(420 nm)
Detection Principle	Reduced glutathione (GSH) can react with dithionitrobenzoic acid (DTNB) to produce thio-nitrobenzoic acid and glutathione disulfide. Nitromercaptobenzoic acid is a yellow compound which has the maximum absorption peak at 420 nm. The GSH content can be calculated by measuring the OD value at 420 nm.
Reagents	Normal saline (0.9% NaCl) or PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Vortex mixer
Size	100Assays
Sensitivity	0.26 mg GSH/L
Detection Range	0.26-122.8 mgGSH/L
Recovery Rate	102