

Glutamic Acid Colorimetric Assay Kit Cat No: HR3BC1220

For research use only

Overview

Detection Method	Colorimetric method
Storage	Reagent 1, Reagent 2, Reagent 8, Reagent 9: 2-8?; Reagent 3, Reagent 4, Reagent 5, Reagent 6, Reagent 7: - 20?
Instrument	Spectrophotometer(340 nm)
Assay Time	60 min
Validity	3
Assay Type	Quantitative
Sample Type	Serum,plasma,animal tissue,cells,cell culture supernatant
Synonyms	
Instrument	Spectrophotometer(340 nm)
Detection Principle	Glutamic acid can react with NAD+ under the catalysis of glutamate dehydrogenase to produce ?-ketoglutaric acid, NADH and NH4+. NADH has the maximum absorption at 340 nm. And glutamic acid content can be calculated by measuring the change of NADH.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Centrifuge, Incubator, Water bath, Vortex mixer
Size	50Assays
Sensitivity	4.00 ?mol/L
Detection Range	4.00-450 ?mol/L
Recovery Rate	104