# Glutamic Acid Colorimetric Assay Kit

**Cat No: HR3BC1220**

For research use only

## Overview

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|---|---|
| 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 |