



# Glutathione-S-Transferase (GST) Activity Assay Kit

Cat No: HR3BC1217

For research use only

## Overview

|                     |                                                                                                                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detection Method    | Colorimetric method                                                                                                                                                                                                                      |
| Storage             | 2-8°                                                                                                                                                                                                                                     |
| Instrument          | Spectrophotometer(340 nm)                                                                                                                                                                                                                |
| Assay Time          | 50 min                                                                                                                                                                                                                                   |
| Validity            | 6                                                                                                                                                                                                                                        |
| Assay Type          | Enzyme Activity                                                                                                                                                                                                                          |
| Sample Type         | Serum,plasma,tissue,cells                                                                                                                                                                                                                |
| Synonyms            | GSH-ST                                                                                                                                                                                                                                   |
| Instrument          | Spectrophotometer(340 nm)                                                                                                                                                                                                                |
| Detection Principle | GST can catalyze the binding of reduced glutathione (GSH) to dinitrobenzene (CDNB) and the product have an absorption peak at 340 nm. The activity of GSH-ST can be calculated by measuring the increasing rate of absorbance at 340 nm. |
| Reagents            |                                                                                                                                                                                                                                          |
| Labware             | Micropipettor, Incubator, Vortex mixer                                                                                                                                                                                                   |
| Size                | 100Assays                                                                                                                                                                                                                                |
| Sensitivity         | 1 U/L                                                                                                                                                                                                                                    |
| Detection Range     | 1-79 U/L                                                                                                                                                                                                                                 |
| Recovery Rate       | 105                                                                                                                                                                                                                                      |