

## Reduced Glutathione (GSH) Assay Kit | GSH assay kit

CheKine™ Reduced Glutathione (GSH) Colorimetric Assay Kit

CATALOG #  
**AAA332457**

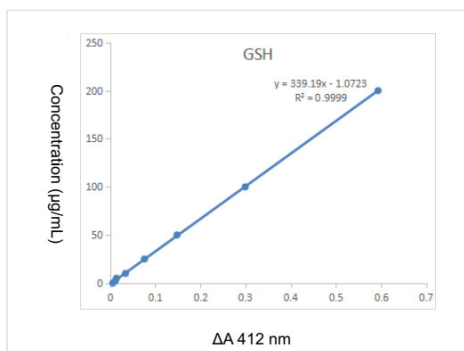
### PRODUCT SYNONYMS

Reduced Glutathione (GSH); CheKine™ Reduced Glutathione (GSH) Colorimetric Assay Kit; GSH assay kit

### PRODUCT SPECIFICATIONS

|                                |                                                                                                                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Samples</b>                 | Serum, Plasma, Animal/Plant Tissues, Blood cells, Cells, Bacteria                                                                                                                                                                   |
| <b>Detection Range</b>         | 2-200 ug/mL                                                                                                                                                                                                                         |
| <b>Sensitivity</b>             | 2 ug/mL                                                                                                                                                                                                                             |
| <b>Preparation and Storage</b> | Storage at -20 degree C and keep from light immediately upon receipt. Kit has a storage time of 12 months from receipt. Refer to list of materials supplied for storage conditions of individual components.<br>Shipping: Ice packs |

### IMAGES



### ADDITIONAL INFORMATION

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| <b>Related Product Information for GSH assay kit</b> | Principle of the Assay: Glutathione is a tripeptide of Glycine, Glutamic Acid and Cysteine. In the Red Blood Cells, Reduced Glutathione (GSH) is the key to maintain hemoglobin in reduced state and protect cells from oxidative damage. GSH is the most important antioxidant sulfhydryl compound in cells, which plays an important role in oxidation resistance, protein sulfhydryl protection and amino acid transport across membrane. The ratio between reduced and oxidized glutathione (GSH/GSSG) is the main indicator of the cell's redox state. Therefore, measuring the content of GSH and GSSG and the ratio of GSH/GSSG in cells can reflect the redox state of cells. CheKine™ Reduced Glutathione (GSH) Colorimetric Assay Kit provides a simple method for detecting the content of GSH in a variety of biological samples, such as Serum, Plasma, Animal and Plant Tissues, Red Blood cells, Cells, Bacteria. DTNB reacts with reduced Glutathione to form a yellow product. The optical density measured at 412 nm, can directly reflect Glutathione concentration in the sample. |
| <b>Product Categories/Family for GSH assay kit</b>   | <a href="#">Cell Metabolism</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

