

## Toal Glutathione (T-GSH) Assay Kit | T-GSH assay kit

Toal Glutathione (T-GSH) Colorimetric Assay Kit

CATALOG #  
**AAA332467**

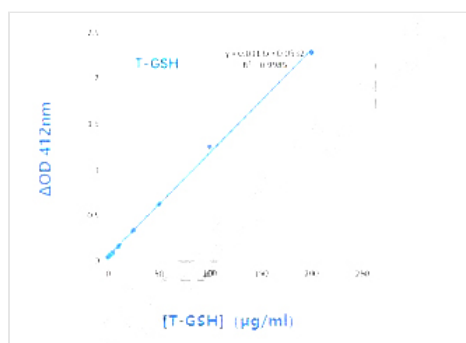
### PRODUCT SYNONYMS

Toal Glutathione (T-GSH); Toal Glutathione (T-GSH) Colorimetric Assay Kit; Toal Glutathione; T-GSH; t-GSH; T-GSH assay kit

### PRODUCT SPECIFICATIONS

|                                |                                                                                                                                                                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Samples</b>                 | Animal and plant tissues, bacteria, cells, serum                                                                                                                                                                                                     |
| <b>Detection Range</b>         | 2-200 ug/mL                                                                                                                                                                                                                                          |
| <b>Sensitivity</b>             | 2 ug/mL                                                                                                                                                                                                                                              |
| <b>Preparation and Storage</b> | Store at -20 degree C and keep from light immediately upon receipt. Kit has a storage time of est. 12 months from receipt. Refer to list of materials supplied for storage conditions of individual components.<br>Shipping: Gel pack with blue ice. |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Related Product Information for T-GSH assay kit</b> | Principle of the Assay: Glutathione is a Tripeptide of Glycine, Glutamic acid and Cysteine. In the red blood cell, 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™ Total Glutathione (T-GSH) Colorimetric Assay Kit can detect samples of Animal and Plant Tissues, Bacteria, Cells, Serum, etc. Glutathione reductase (glutathione reductase, GR) is used to reduce GSSG to GSH. GSH can react with 5,5'-Dithiobis-(2-Nitrobenzoic Acid) (5,5'-Dithiobis-2-Nitrobenzoic Acid, DTNB) to form 2-Nitro-5-Diol Benzoic Acid. This substance is yellow and has a maximum light absorption at a wavelength of 412 nm. In this way, the total glutathione content in the sample can be determined. |
| <b>Product Categories/Family for T-GSH assay kit</b>   | Cell Metabolism; Biochemical Assay Kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**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.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/toal-glutathione-t-gsh/332467>