

Total Glutathione/Oxidized Glutathione Assay Kit | T-GSH/GSSG assay kit

Total Glutathione (T-GSH)/Oxidized Glutathione (GSSG) Colorimetric Assay Kit

CATALOG #
AAA22164

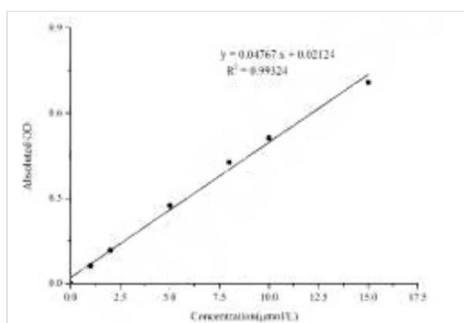
PRODUCT SYNONYMS

Total Glutathione/Oxidized Glutathione; Total Glutathione (T-GSH)/Oxidized Glutathione (GSSG) Colorimetric Assay Kit; T-GSH/GSSG assay kit

PRODUCT SPECIFICATIONS

Specificity	50 assays(48 samples)/100 assays(96 samples)
Samples	Serum, plasma, animal tissue, whole blood, red blood cells and cultured cells samples
Detection Range	0.12-30 umol/L T-GSH
Sensitivity	0.12 umol/L
Intra-assay Precision	Three human serum samples were assayed in replicates of 20 to determine precision within an assay (CV = Coefficient of Variation).
Inter-assay Precision	Three human serum samples were assayed 20 times in duplicate by three operators to determine precision between assays.
Preparation and Storage	Reagent 2, Reagent 4, Reagent 8, Reagent 9: store at -20 degree C; Others: store at 2-8 degree C Valid period: ~6 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for T-GSH/GSSG assay kit

Principle of the Assay: GSSG is reduced to GSH by glutathione reductase, and GSH can react with DTNB to produce GSSG and yellow TNB. The amount of total glutathione (GSSG+GSH) determines the amount of yellow TNB. Thus the total glutathione can be calculated by measuring the OD value at 412 nm. The content of GSSG can be determined by first removing GSH from the sample with appropriate reagent and then using the above reaction principle.

Intended Uses: This kit can be used to measure total glutathione (T-GSH) and oxidized glutathione (GSSG) content in serum, plasma, animal tissue, whole blood, red blood cells and cultured cells samples.

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.

