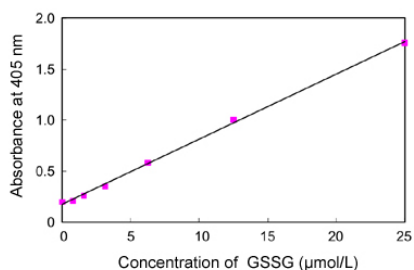


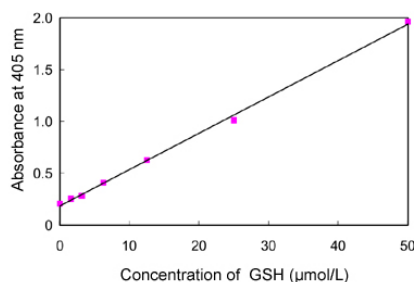
GSSG/GSH Quantification Kit

Catalog # KA6025 Size 1 Kit

Applications



The calibration curve is for the purpose of illustration only and should not be used to calculate unknowns. A calibration curve should be generated each time the assay is performed.



Specification

Product Description

GSSG/GSH Quantification Kit contains the reagent for GSH masking. GSH in a sample solution can be removed by adding the Masking reagent. Therefore, GSSG in the sample solution can be selectively determined by measuring the absorption ($\lambda_{\text{max}} = 412 \text{ nm}$) derived from a colorimetric reaction of DTNB (5,5'-dithiobis (2-nitrobenzoic acid)) coupled with the enzymatic recycling system. The quantity of GSH can also be determined by subtracting the amount of GSSG from the total amount of glutathione.

Suitable Sample

Cells, Erythrocytes, Plasma and Tissue

Detection Method

Colorimetric

Calibration Range

Total Glutathione: 0.5 to 50 $\mu\text{mol/L}$
GSSG: 0.5 to 25 $\mu\text{mol/L}$

Regulatory Status

For research use only (RUO)

Quality Control Testing

Calibration curve
The calibration curve is for the purpose of illustration only and should not be used to calculate unknowns. A calibration curve should be generated each time the assay is performed.

Storage Instruction

Store the kit at 4°C.

Applications

- Quantification