

# Thiol Quantification Kit

## Thiol Quantification Kit

1 kit [T3981]

### Kit Contents (for 100 assays)

- DTNB (Ellman's reagent)
- Thiol Standard (*N*-Acetyl-L-cysteine)
- Diluent Buffer

2 vials  
2 vials  
1 vial

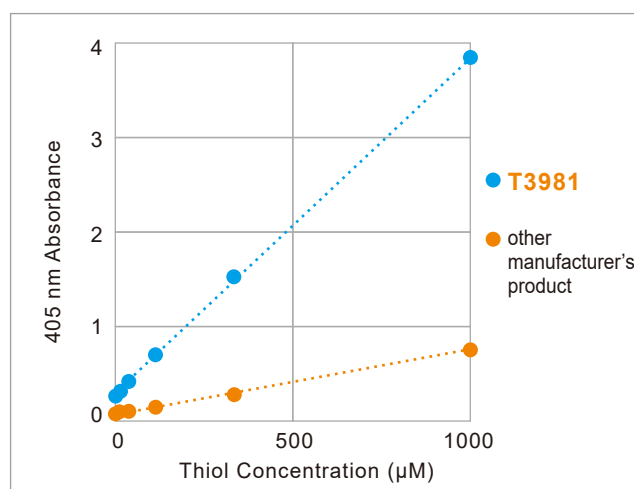
### Advantages

- Enables highly sensitive detection of thiol groups.
- Using Ellman's reagent instead of antibodies allows for measurement irrespective of species-of-origin.
- Two vials of both Ellman's reagent and thiol standard are included to allow for a total of two reactions from one kit.
- The reaction products are soluble and have an absorption maximum wavelength at 412 nm.
- Enables accurate quantification of thiol groups in a concentration range of 10 - 1000  $\mu\text{M}$ .



### Application

1. Dissolve a vial of thiol standard in diluent buffer [T3981].
2. Dissolve a vial of DTNB in diluent buffer.
3. After mixing the solutions prepared in step 1 and step 2 for 10 minutes at room temperature, measure the absorbance at 405 nm.



Our product [T3981] shows higher sensitivity in detection of thiol groups compared to another manufacturer's product.

### Related Product

**5,5'-Dithiobis(2-nitrobenzoic Acid) (= DTNB) [for Determination of SH groups]**

1g / 5g / 25g [D0944]

For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).



#### Ordering and Customer Service

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