

Thiol Quantification Kit

Thiol Quantification Kit

1kit [T3981]

Kit Contents (for 100 assays)

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

2 vials
2 vials
1 vial

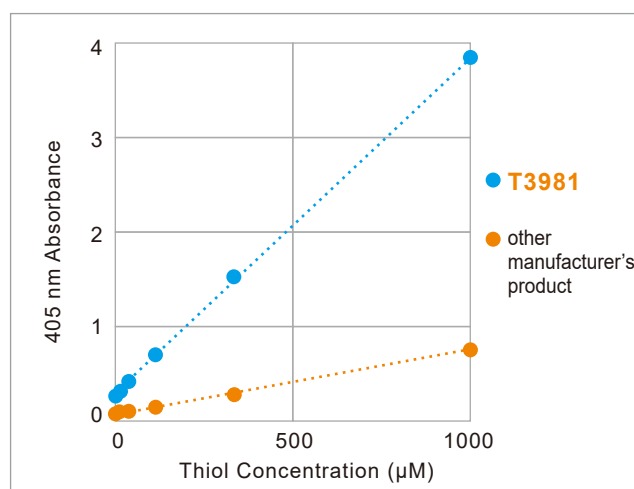
Advantages

- 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 μM .



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 (1) and (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.



Ordering and Customer Service

TCI AMERICA

Tel : 800-423-8616 / 503-283-1681
Fax : 888-520-1075 / 503-283-1987
E-mail : Sales-US@TCIchemicals.com

TCI EUROPE N.V.

Tel : +32 (0)3 735 07 00
Fax : +32 (0)3 735 07 01
E-mail : Sales-EU@TCIchemicals.com

TCI Deutschland GmbH

Tel : +49 (0)6196 64053-00
Fax : +49 (0)6196 64053-01
E-mail : Sales-DE@TCIchemicals.com

Tokyo Chemical Industry UK Ltd.

Tel : +44 (0)1865 78 45 60
E-mail : Sales-UK@TCIchemicals.com

TCI Chemicals (India) Pvt. Ltd.

Tel : 1800 425 7889 / 044-2262 0909
E-mail : Sales-IN@TCIchemicals.com

梯希爱(上海)化成工业发展有限公司

Tel : 800-988-0390 / 021-67121386
Fax : 021-6712-1385
E-mail : Sales-CN@TCIchemicals.com

TOKYO CHEMICAL INDUSTRY CO., LTD.

Tel : +81 (0)3-5640-8878
E-mail : globalbusiness@TCIchemicals.com

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