

PRODUCT INFORMATION

DTT, molecular biology grade
(dithiothreitol, Cleland's reagent)

#R0861

Lot:

Formula $C_4H_{10}O_2S_2$
Molecular Weight 154.25

Store at 4°C.

Description

Dithiothreitol reduces disulfide bonds quantitatively and maintains monothiols in the reduced state. At low concentrations, DTT stabilizes enzymes that possess free sulfhydryl groups and has been shown, *in vitro*, to restore activity lost by oxidation of these groups.

CERTIFICATE OF ANALYSIS

Absence of endo-, exodeoxyribonucleases, ribonucleases and proteases confirmed by appropriate quality tests.
Titration ex-SH (iodometric) $\geq 99.0\%$.

Quality authorized by:

 Jurgita Zilinskiene

SAFETY INFORMATION



Xn Harmful

Risk phrases

R22 - Harmful if swallowed.

R36/38 - Irritating to eyes and skin.

Safety phrases

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37 - Wear suitable protective clothing and gloves.

S60 - This material and its container must be disposed of as hazardous waste.



Warning

Hazard statements:

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Prevention:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P362 Take off contaminated clothing and wash before reuse.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively *for research purposes and in vitro use only*. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

Please refer to www.thermoscientific.com/onebio for Material Safety Data Sheet of the product.

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