

## Dithiothreitol

### Description

The product is the core raw material for nucleic acid extraction after strict screening and quality control. Dithiothreitol (DTT) is a small molecule organic reducing agent, which can break the disulfide bond between or within protein molecules. In the process of nucleic acid extraction, it can act as an antioxidant, replace highly toxic 2-hydrophobic ethanol, and inactivate RNase. DTT is easily oxidized by air and has poor stability. Low temperature storage of dry powder is conducive to prolonging its service life. DTT is also very unstable after dissolution, and fresh DTT solution is recommended for sensitive experiments. The company has been sub packed into small-size tubular reagents, which can be dissolved with water before use, which is very convenient for storage and use.

### Ordering Information

CAT.No.	Product Name	Package
C12140	Dithiothreitol, DTT	1g
C12141		10g
C12142		100g

### Specifications

Product name	Dithiothreitol, 1,4-dithiothreitol, Cleland's reagent, DL-Dithiothreitol
major function	Antioxidant, RNase denaturant, improve cracking ability
Recommended application	nucleic acid extraction
CAS No	3483-12-3
chemical formula	<chem>HSCH2CH(OH)CH(OH)CH2SH</chem>
molecular weight	154.25
purity	>97%
level	Molecular biology level
appearance	White solid
solubility	1m soluble,
preservation	Transparent without impurities