



## Lysozyme solution

**Product Number: LY03**

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### Shipping and Storage

Valid for 12 months. Low temperature transportation, stored at -20 °C

### Description

Lysozyme, also known as muramidase, is an alkaline enzyme that can hydrolyze polysaccharides in pathogenic bacteria. It breaks down the  $\beta$ -1,4-glycosidic bond between N-acetyl muramic acid and N-acetylglucosamine in the cell wall, causing insoluble polysaccharides to break down into soluble glycopeptides, leading to cell wall rupture and the release of contents, resulting in bacterial dissolution.

Lysozyme solution (50mg/ml) is composed of lysozyme and TRIS, with a pH value of about 8.0. It is commonly used to dissolve cell walls for extracting plasmid DNA

### Feature

1. Heat resistance;
2. Organic solvents cannot completely inactivate it;
3. Stable vitality;
4. Has antibacterial properties and a wide spectrum of antibacterial activity;
5. It is an effective preservative. This reagent is only used in the field of scientific research and is not suitable for clinical diagnosis or other purposes.

### Note

1. If the usage amount is small each time, it can be divided appropriately before use.
2. For your safety and health, please wear lab coats and disposable gloves when operating.
3. Please use the reagent as soon as possible after opening to avoid affecting the subsequent experimental results.