Lysozyme

DE103

Version 23.1

Product Description

Lysozyme is an alkaline enzyme that hydrolyzes mucopolysaccharides in bacteria. It mainly destroys the β-1,4 glycosidic bond between N-acetylmuramic acid and N-acetylglucosamine on the cell wall, breaking insoluble mucopolysaccharides into soluble glycopeptides. This leads to cell wall rupture and bacteriolysis in the end.

Components

Components	DE103-01
Lysozyme	200 mg
Lysozyme Buffer	10 ml

Storage

Store Lysozyme dry powder at 2 ~ 8°C and transport at room temperature. Store the other components at room temperature (15 ~ 25°C) and transport at room temperature.

Applications

Mainly for the digestion of Gram-positive bacteria cell walls during DNA and RNA preparation.

Source

Egg white

Notes

For research use only. Not for use in diagnostic procedures.

1. Lysozyme solution is recommended to be freshly prepared when needed.
2. If the prepared Lysozyme solution is not used immediately, store at -20°C and avoid repeated freezing and thawing. It is recommended to aliquot the solution before use, so its activity is not affected.
3. This product is limited to scientific research by professionals only and shall not be used for clinical diagnosis or treatment, added to food or drug, or stored in ordinary residences.
4. For your safety and health, please wear a lab coat and disposable gloves when operating.

Experiment Process

Dissolve 20 mg of Lysozyme dry powder in 1 ml of Lysozyme Buffer to obtain a working solution of 20 mg/ml. The working solution can be aliquoted before being stored at -20°C.