Lysozyme
Cat #: EN-M-006-5

Description

Lysozyme is a glycoside hydrolase enzyme that is biologically active and consists of ~130 amino acid residues with four S-S bonds and a molecular weight of 14300 Da. It can be used to hydrolyze the cell walls of Gram-positive and Gram-negative bacteria. Lysozyme has a good lytic effect on Gram-positive bacteria, aerophilic spore forming bacteria, Bacillus subtilis and Micrococcus radioresistant, and also has a certain lytic effect on Gram-negative bacteria such as Escherichia coli, Mutans common and Vibrio parahaemolyticus. Lysozyme has a special role in decomposing peptidoglycans in bacterial cell walls. This product is soluble in water, insoluble in diethyl ether and acetone, can exist stably in acidic medium, easy to be inactivated in alkaline medium. It is easy to be inhibited and damaged by heavy metal ions (Fe^{3+}, Cu^{2+}, Hg^{+}, Pb^{+}, etc.) and oxidants.

Specifications

Features	Characteristics
CAS Number	12650-88-3
Grade	Ultra Pure Grade
Synonym	Globulin G1, Muramidase
Activity	20000 U/mg
Appearance	White freeze-dried powder
Solubility	50 mg/ml in water

Storage

Store at 2-8 °C.

For laboratory use only. Not for drug, household or other uses.