

Product Information

Lysozyme, 110mg/vial

C/No. K.RGT-9108-110mg
Packaging 110 mg
Storage -20°C

Apical Scientific Sdn Bhd
No. 17, Jalan BS 7/1C,
Taman Perindustrian Bukit
Serdang, 43300
Seri Kembangan, Selangor



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Description

Lysozyme is an enzyme commonly used to break down rigid cell walls of bacteria and yeast, facilitates the release of intracellular components like proteins and DNA. It catalyzes that hydrolysis of 1,4-beta-linkages causing the bacterial cell walls to breakdown. Gram-positive bacteria, which contain a higher proportion of peptidoglycan, are particularly susceptible to lysozyme hydrolysis. The enzyme is purified from chicken egg white and supplied as a lyophilized powder.

Activity

> 20,000 U/mg

Unit Definition

One unit will product change in A_{450} by 0.001/min at pH 6.24, 25 °C, using a suspension of *Micrococcus lysodeikticus* as substrate, in 2.6 mL reaction mixture, under 1 cm light path.

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Applications

- DNA/RNA extraction
- Protein extraction
- Inclusion bodies purification

Storage

Reconstituted lysozyme (pH 4–5) can be stored for up to 1 month at 2 °C – 8 °C. For long-term preservation, store at -20 °C.

Quality Control

<u>Assay:</u>	<u>Specification:</u>
Activity	> 20, 000 U/ mg
DNase / RNase Activity	None detected

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