

Product Information

Lysozyme, 110mg/vial

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

Apical Scientific Sdn Bhd
7-1 to 7-4, Jalan SP 2/7
Taman Serdang Perdana,
43300 Seri Kembangan
Selangor, Malaysia



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Description

Lysozyme is an enzyme used to lyse bacterial cells for nucleic acid or protein extraction. It hydrolyzes the linkages in peptidoglycan of the bacteria cell wall.

Source

Chicken egg whites

Activity

≥ 40,000 U/mg

Unit Definition

One unit of the enzyme catalyzes a decrease in A_{450} by 0.001/min at pH 6.25, 25 °C in a 1 cm cuvette, using a suspension of *Micrococcus luteus* in 2.6 mL reaction mixture.

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Applications

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

Stability

Reconstituted lysozyme at pH 4 – 5 can be stored for 1 month at 2 – 8 °C.

Quality Control

DNase Assay

No detectable contaminating endonuclease or exonuclease activity.

RNase Activity

RNase contaminants not detected.

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