

Lysozyme

Cat No. AL0680

Activity: $\geq 5,0000$ units per mg (Technical Note: Due to assay differences, 50,000 u/mg by BIONOVAS's assay is equivalent to 8,000u/mg claimed by other suppliers.)

Storage: Stable for 3-5 years at 2-8°C. Solutions at pH 4-5 are stable for several weeks refrigerated and for days at ambient temperatures.

Description:

Lysozyme is an enzyme purified from chicken egg-whites that has antimicrobial properties. This enzyme hydrolyzes peptidoglycans in cell wall structures of some bacterial species. Lysozyme also shows some activity toward chitin oligomers..

Applications:

- Bacterial cell wall degradation
- Bacterial DNA extraction
- Spheroplast preparations
- Preservative

Unit definition: The amount of enzyme causing a decrease in absorbance at 450nm of 0.001 per minute at 25°C and pH 6.2 with *Micrococcous Lysodeikticus* as substrate.