Data Sheet

Lysobac®

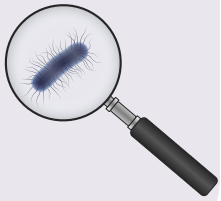
Recombinant Human Lysozyme (rhLysozyme)

Animal-Origin-Free Lysozyme for Bacterial Cell Lysis & Processing

Lysobac, a recombinant, animal-origin-free lysozyme that efficiently disrupts bacterial cells, eliminating allergen / contamination risks from egg-derived lysozyme. Its high enzymatic activity ensures superior purity, higher protein yields, & improved batch-to-batch consistency compared to mechanical disruption or traditional animal-derived lysozyme. Ideal for biologics, cell therapy, diagnostics, and regenerative medicine.

Applications

- **Bacterial Cell Lysis**
- **Recombinant Protein Production**
- **DNA/RNA Extraction**
- **Bioprocessing & Fermentation**
- **Enzyme Research**
- **Bacterial Vaccine Manufacturing**



Specifications

Format	Lyophilized powder
Specific Activity	≥ 125,000 units/mg
Shelf Life	6 years
Regulatory Compliance	cGMP, ISO 9001
Packaging	10 g, 100g, 1 kg bottles
Storage	2–8°C

- **Efficient bacterial lysis** – Rapidly disrupts bacterial cells, enabling faster, simpler protein extraction.
- **High enzymatic activity** – 4x higher activity vs chicken lysozyme for consistent, robust bioprocessing.
- **Optimized for purification workflows** – Improves yield / purity of extracted proteins, DNA, and RNA.
- **Animal-free & allergen-free** – Eliminates allergen / contamination risks from egg and animal sources.
- **High purity & potency** – >125,000 units/mg of protein activity ensures reliable bioprocess performance.
- **Antibiotic-free alternative** – Eliminates reliance on antibiotics for contamination management.

Lysobac

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Try Lysobac Today!

www.invitria.com/lysobac

InVitria
Performance. Defined.

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Lysobac
Recombinant Human Lysozyme (rhLysozyme)

InVitria's Commitment to Quality & Innovation

Recombinant, chemically defined solutions – Enhances consistency, purity, and performance in biomanufacturing.

Animal-origin-free – Eliminates plasma-derived risks for safer, more reliable formulations.

Lot-to-lot consistency – Ensures reproducibility and reliability by minimizing variability between production batches.

Scalable, reliable supply chain – Ensures secure global availability with high-volume production capacity.

ISO 9001 & cGMP compliant – Manufactured under strict quality and regulatory standards for consistency and safety.

Regulatory-friendly – Designed to meet pharmaceutical, biotech, and global regulatory requirements.



Lysobac

- High-purity recombinant enzyme
- Optimized for bacterial lysis
- Supports DNA & RNA extraction
- Enhances protein purification
- Alternative for egg, bovine, egg lysozyme
- High enzymatic activity & stability

Product	Size	Product #
Lysobac	10 g	777LAC016-10g
Lysobac	100 g	777LYS016-100g
Lysobac	1 kg	777LYS016-1kg

*Request a quote for bulk & large-scale format options.

Secure Your Supply Now!

SCAN ME

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