

# Data Sheet

## Lysobac®



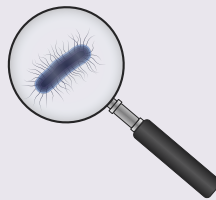
### Recombinant Human Lysozyme (rhLysozyme)

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

Lysobac, a recombinant, animal-free lysozyme, efficiently disrupts bacterial cells, eliminating allergen risks from egg-derived materials. It reliably breaks down bacterial cell walls, delivering superior purity and batch consistency compared to mechanical disruption or traditional lysozyme. Ideal for biologics, cell therapy, and regenerative medicine workflows, enhancing safety and manufacturing reliability.

#### Applications

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



#### Specifications

<b>Total Protein</b>	≥ 90% recombinant human lysozyme
<b>Format</b>	Lyophilized powder
<b>Specific Activity</b>	≥ 125,000 units/mg
<b>Shelf Life</b>	6 years
<b>Regulatory Compliance</b>	cGMP, ISO 9001
<b>Packaging</b>	10 g, 100g, 1 Kg bottles
<b>Storage</b>	2–8°C

- ✓ **Efficient bacterial lysis** – Enables rapid cell wall breakdown for protein extraction.
- ✓ **High enzymatic activity** – Ensures consistent performance in bioprocessing.
- ✓ **Optimized for purification workflows** – Enhances DNA, RNA, and protein recovery.
- ✓ **Animal-free & allergen-free** – Eliminates 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**

Try Lysobac Today!



# Data Sheet

## 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.



- ✓ 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	SKU
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!



InVitria, Inc  
2718 Industrial Drive  
Junction City, KS 66441  
Phone: 800-916-8311  
Fax: 785-238-5688  
Email: [info@invitria.com](mailto:info@invitria.com)

[www.invitria.com](http://www.invitria.com)

Copyright© 2025 InVitria, Inc. All rights reserved.

Reproduction or distribution of any InVitria materials, in whole or in part, is prohibited without prior written consent. All logos, names, designs, and marks displayed, including InVitria® and the InVitria® brand design, are trademarks or service marks owned or licensed by InVitria, Inc., Kansas, USA, unless otherwise noted. For details on InVitria's registered intellectual property, patents, and additional terms and conditions, please visit [www.invitria.com/terms](http://www.invitria.com/terms).