

2025 PRODUCT CATALOG

Innovating Biomanufacturing with Scalable, Chemically Defined Solutions.

Recombinant, Chemically Defined



Human & Animal-Origin-Free



Lot-to-Lot Consistency

Reliable, Scalable Supply Chain



ISO 9001 & cGMP Compliant



Regulatory-Friendly & Approved





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Advancing Biomanufacturing and Life Sciences with AOF, Recombinant Solutions

Performance. Defined.

InVitria is dedicated to transforming the life sciences and biomanufacturing industries with high-quality, recombinant, and animal-origin-free (AOF) ingredients that drive process efficiency, reliability, and scalability. From cutting-edge therapeutics and diagnostics to regenerative medicine, our chemically-defined solutions meet the highest industry standards, empowering researchers and manufacturers to innovate safely and effectively. InVitria's products support every step from discovery to commercial production, ensuring precision, compliance, and the potential for life-saving advancements across pharmaceutical, vaccine, and biologics manufacturing.

Who We Are

- Founded in 2008, InVitria develops chemically defined recombinant proteins for biomanufacturing.
- Used in 30+ on-market products, including 8
 FDA-, EMA-, and PMDA-approved
 therapeutics, sold in 40+ countries.
- **Powered by ExpressTec**®, producing animalfree components with unmatched consistency and scalability.
- Headquartered in Kansas, USA, with locations in CO, MA, and the Netherlands.
- cGMP, ISO 9001-compliant facility ensures top quality and regulatory standards.

InVitria Offers

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.

Learn About Us!









Innovative treatments using cell and gene technologies to address genetic disorders, cancer, and rare diseases.

Restoring damaged tissues or organs using cells, biomaterials, and biologics to promote healing and regeneration.





Advancing disease prevention with recombinant proteins that enhance stability, efficacy, and immune response.

Critical for research, diagnostics, and therapies, supporting immune responses and targeted treatment strategies.



Antibodies



Improving wound healing, tissue repair, and surgical outcomes with biocompatible protein solutions.

Supporting diverse biomanufacturing needs with recombinant, animal-free solutions for consistency and performance.



Biomanufacturing





What's New at InVitria

Optibumin[®]25

The **ONLY** recombinant 25% HSA that mirrors blood-derived albumin—available in 100 mL sterile bags for closed systems and 100 ml bottles for versatile use.



Learn more: invitria.com/optibumin25

See Page 7



OptiLeukin[™]2

A clean, scalable bacteria- and animal-origin-free chemically-defined, recombinant human interleukin-2.





Not made in E. coli.

See Page 14

Learn more: invitria.com/optileukin-2

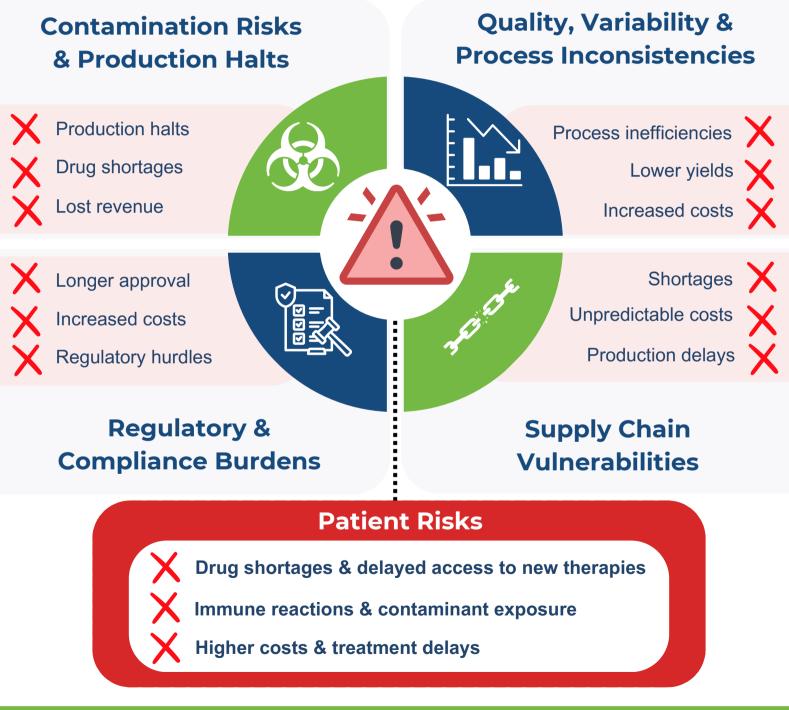
www.invitria.com | 1-800-916-8311





Blood-Derived Raw Materials A Risky Business in Biologics Manufacturing

A major source of inconsistency, compliance hurdles, and risk of contamination in biologics manufacturing



InVitria's animal-origin-free solutions eliminate these risks, ensuring **consistency**, **safety**, and **scalability**.

www.invitria.com/safer-raw-materials | 1-800-916-8311



Blood-Derived Raw Materials

A Risky Business in Biologics Manufacturing

Compliance Burdens of Blood-Derived Raw Materials vs AOF Raw Materials

Blood-derived materials introduce regulatory complexities that extend beyond supplier testing. Sponsors must independently validate compliance through additional documentation, risk assessments, and regulatory filings—even when testing is performed upstream.

InVitria's animal-origin-free, chemically defined materials eliminate these hidden burdens—helping you simplify qualification and accelerate your path to market.

Compliance	Blood-Derived	InVitria
Requirement	Materials	Materials
Virus screening & Adventitious Agent Testing	Required (must verify) ~\$1,800–\$2,500 per lot	Eliminated
TSE/BSE Documentation	Required ~\$6,000–\$13,000 per batch or program	Eliminated
TSE Import/Export Issues	Risk of embargo ~\$250–\$750 per shipment	Eliminated
Compliance Delays / Risk Costs (estimated opportunity cost)	Risk of delay ~\$2,000–\$10,000+	Eliminated

Move faster, with fewer regulatory hurdles

InVitria eliminates the need for viral risk assessments, TSE compliance documentation, and import/export restrictions—helping you streamline your workflow.

Ready to simplify your raw material strategy? Contact Us!

www.invitria.com/BDRM-hidden-costs | 1-800-916-8311

NVITRIA



Recombinant Human Serum Albumin

InVitria Recombinant HSA Solutions

InVitria offers a portfolio of animal-free recombinant human serum albumin (rHSA) products designed to replace serum-derived HSA & BSA in cell culture, biologics formulation, and biomanufacturing. Available in excipientgrade and high-purity options, these four (4) cGMP-grade solutions improve consistency, scalability, and safety in chemically defined media. Cellastim S, Exbumin, Optibumin 20, and Optibumin 25 support research, clinical, and commercial applications in cell & gene therapy regenerative medicine, and vaccine production.

Cost-Saving Advantages



Reduced testing costs & regulatory burden – No adventitious agent testing required—animal-free rHSA eliminates the need for raw material screening and viral testing, reducing costs and streamlining regulatory approval.



Lower cost per dose in therapeutics & vaccines – Enhances production efficiency and reduces formulation costs, leading to a lower cost per dose in biologics, cell therapies, and vaccines while maintaining high purity and performance.

InVitria rHSA

Exbumin® – Excipient-grade rHSA for use in downstream processing buffers and final formulation, enhancing stability & consistency in biologics manufacturing while providing a recombinant alternative to blood-derived HSA.

Optibumin® 25 – An excipient-grade, 25% rHSA in 100 mL bags, optimized for closed-system biomanufacturing, biologics formulation, and cell therapy. Also available in 100 ml bottles, this recombinant, animal-free alternative to plasmaderived HSA ensures superior consistency and safety while maintaining the same concentration. Its standardized format simplifies replacement, enabling seamless integration into existing workflows.

Optibumin® 20 – An excipient-grade, 20% rHSA optimized for select cell culture applications, cell therapy formulation, small molecule solubilization, and surgical sealants, providing a high-purity recombinant alternative to blood-derived HSA

Cellastim® S – rHSA optimized for cell culture media supplementation and formulation, serving as a replacement for BSA and plasma-derived HSA while enhancing cell growth, viability, and consistency.

Learn About rHSA



www.invitria.com/rHSA | 1-800-916-8311

Recombinant Human Serum Albumin Exbumin[®]

The First rHSA Approved as an Excipient

Exbumin is a recombinant human serum albumin (rHSA) approved as an excipient in biologics formulation. Trusted by industry leaders like Merck, it is used in the FDA-, PMDA- and EMAapproved ERVEBO vaccine. With its superior stability and consistency, Exbumin provides a high-performance alternative to serum-derived albumin, supporting advanced biomanufacturing applications.

Exbumin is ideal for:

- Vaccine Formulation
- Cell & Gene Therapy
- Regenerative Medicine
- Medical Devices/Sealants
- Tissue & Cell Storage
- Diagnostics & Reagents
- Protein Stabilization

Ordering Information

Product	SKU	Unit Price
<u>Exbumin, 10 g</u>	777HSA097-10g	\$950.00
<u>Exbumin, 100 g</u>	777HSA097-100g	\$8,170.00
<u>Exbumin, 1 Kg</u>	777HSA097-1Kg	Quote

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



Exbumin

NVITRIA

SCAN ME

Product Name: <u>Exbumin</u> Type: Recombinant human serum albumin Format: Lyophilized powder

Key Benefits

- **Regulatory-approved excipient** Used in FDA, PMDA, & EMA-approved-biologics for drug formulation.
- High-purity & consistency Ensures batchto-batch reliability in chemically defined formulations.
 - **No adventitious agent testing needed** Animal-free rHSA eliminates raw material screening and viral testing.
 - Enhanced downstream processing Improves virus yield and recovery in purification workflows.
 - **Final formulation** Enhances stability, shelflife, and thermal logistics for final drug product.



www.invitria.com/exbumin | 1-800-916-8311



NEV

Recombinant Human Serum Albumin Optibumin[®] 25

The 1st 25% rHSA for Closed-System Biomanufacturing

The first recombinant 25% rHSA, matching bloodderived HSA in concentration. Available in sterile, single-use bags as well as 100 mL bottles, it provides a chemically defined, animal-free alternative for cell culture, biologics manufacturing, and biopharmaceutical applications. Lipid-stripped, lowlipid, its Cys-34 free thiol profile enables favorable binding and unique applications. Its standardized format and concentration simplify replacement, ensuring seamless integration into workflows.

Optibumin 25 is ideal for:

- Cell & Gene Therapy
- Regenerative Medicine
- Vaccines
- Medical Devices/Sealants
- Tissue & Cell Storage
- Diagnostics & Reagents
- Drug Conjugation

Ordering Information

Product	SKU	Unit Price
<u>Optibumin 25, 100 mL Bag</u>	555HSA0075-100mL-BG	\$785.00
<u>Optibumin 25, 100 mL Bottle</u>	555HSA0075-100mL-BT	\$785.00

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





SCAN ME

Product Name: <u>Optibumin 25</u> Type: Recombinant human serum albumin Format: Liquid

Key Benefits

- 25% rHSA matches blood-derived HSA A like-kind replacement for plasma-derived HSA in biomanufacturing.
- Optimized for closed-system GMP workflows – Sterile, single-use bags with weldable tubing in standardized format and concentration simplify HSA replacement for easy integration.
 - Highest purity (≥ 99%) Ensures superior stability and performance.
 - **No adventitious agent testing needed** Animal-free rHSA eliminates raw material screening and viral testing.

Excipient-grade – Suitable for final formulation and drug delivery.



www.invitria.com/optibumin25 | 1-800-916-8311



Recombinant Human Serum Albumin Optibumin[®] 20

Ultra-Pure rHSA For Specialized Applications

The highest-purity recombinant albumin on the market, with exceptionally low levels of aggregates and lipids. This excipient-grade rHSA features a high concentration of free-thiol/Cys-34 mercapto-albumin, making it ideal for small molecule solubilization and bioconjugation of therapeutics. Optibumin's low-lipid profile supports lipid customization and is well-suited for iPSC, hESC, and in vitro fertilization applications.

Optibumin 20 is ideal for:

- Cell & Gene Therapy
- Regenerative Medicine
- IVF
- Medical Devices/Sealants
- Tissue & Cell Storage
- Diagnostics & Reagents
- Drug Conjugation

Ordering Information

Product	SKU	Unit Price
<u>Optibumin 20, 100 mL</u>	777HSA105-100mL	\$1,660.00
<u>Optibumin 20, 1 L</u>	777HSA105-1L	\$14,800.00

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



Product Name: <u>Optibumin 20</u> Type: Recombinant human serum albumin Format: Liquid

Key Benefits

- **Excipient-grade** Suitable for final formulation and drug delivery.
- **Highest purity (≥ 99%)** Ensures superior stability and performance.
- **Lipid-stripped** Cys-34 free thiol profile enables favorable binding and unique applications.
- **Sterile-liquid** Ready-to-use solution available in two package formats.
- No adventitious agent testing needed Animal-free rHSA eliminates raw material screening and viral testing.
- **Minimizes high molecular weight impurities** Enhances protein integrity and bioavailability.



www.invitria.com/optibumin20 | 1-800-916-8311



Recombinant Human Serum Albumin Cellastim[®] S

Optimized rHSA for Superior Cell Culture Performance

Cellastim S is a recombinant human serum albumin (rHSA) designed to replace bovine serum albumin (BSA) and human serum albumin (HSA) in chemically defined, animal-origin-free cell culture media. It enhances cell viability and performance across a wide range of mammalian cell types, including T-lymphocytes, HEK293t, MSC, HSC, VERO, and NSO.

Cellastim S is ideal for:

- Cell & Gene Therapy
- Regenerative Medicine
- Vaccines
- Medical Devices/Sealants
- Tissue & Cell Storage
- Diagnostics & Reagents

Ordering Information		
Product	SKU	Unit Price
<u>Cellastim S, 10 g</u>	777HSA017S-10g	\$548.00
<u>Cellastim S, 100 g</u>	777HSA017S-100g	\$4,349.00
<u>Cellastim S, 1 Kg</u>	777HSA017S-1Kg	Quote

*<u>Request a quote</u> for bulk & large-scale format options.



Product Name: <u>Cellastim S</u> Type: Recombinant human serum albumin Format: Lyophilized powder

Key Benefits

- **Optimized for cell culture** Supports highdensity growth in primary cell, stem cells, CHO, HEK, and VERO cells.
- **Lower inclusion needed** Requires less rHSA than bovine or human serum albumin.
- **No adventitious agent testing needed** Animal-free rHSA eliminates raw material screening and viral testing.
- **Lipid-rich** Provides critical fatty acids for cell culture performance.
- **Clinically proven** Used in GMP biologics manufacturing, including approved products.



www.invitria.com/cellastims | 1-800-916-8311



Recombinant Human Transferrin Optiferrin[®]

Recombinant Transferrin for Biomanufacturing

Optiferrin is a recombinant human transferrin (rhTransferrin) designed to replace serumderived transferrin and iron chelators in cell culture. It provides essential iron transport while preventing oxidative stress caused by free iron, supporting cell growth, viability, and productivity. Optiferrin enhances antibody production, improves transfection efficiency, and offers a scalable, chemically defined solution for biomanufacturing applications.

Optiferrin is ideal for:

- Animal-Origin-Free Cell Culture
- Antibody Production
- Stem Cell Expansion
- Diagnostics & Reagents
- Tissue & Cell Storage
- Gene Therapy
- Viral Vector Production

Ordering Information

Product	SKU	Unit Price
<u>Optiferrin, 1 g</u>	777TRF029-1g	\$332.75
<u>Optiferrin, 10 g</u>	777TRF029-10g	\$2,059.75
<u>Optiferrin, 100 g</u>	777TRF029-100g	Quote
<u>Optiferrin, 1 Kg</u>	777TRF029-1Kg	Quote

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



Product Name: <u>Optiferrin</u> Type: Recombinant human transferrin Format: Lyophilized powder

Key Benefits

- **Superior performance** Exceeds the iron transport efficiency of serum-derived transferrin and iron chelators, optimizing cell growth and productivity.
- **Iron homeostasis** Maintains optimal iron balance without toxicity risks from iron chelators.
- **High structural fidelity** Structurally identical to native human transferrin, ensuring functional equivalence.
- **Broad compatibility** Effective across T, NK, HEK, CHO, Hybridoma, iPSC, MSC, HSC, Fibroblast, and other culture systems.
- **Regulatory advantage** Fully recombinant, pathogen-free, and chemically defined for clinical applications.



www.invitria.com/optiferrin | 1-800-916-8311



Cell Culture Media Supplements

Animal-Free Supplements for Chemically Defined Media

InVitria offers a 100x concentrated, recombinant supplement line to replace serum-derived alternatives. These cGMP-grade supplements (ITS, ITSE, ITSE+A) enable chemically defined media formulation, reducing or eliminating the need for human AB serum and FBS. By enhancing performance consistency in smallscale and clinical manufacturing, they help lower media costs, extend serum lots, or support AOF workflows.

Cell Culture Supplements

ITS Animal-Free[™] – A chemically defined supplement with insulin, transferrin, & selenium to support cell growth, metabolism, & viability in serum-free media.

ITSE Animal-Free® – A chemically defined supplement with insulin, transferrin, selenium, & ethanolamine to enhance membrane stability, lipid metabolism, & cell viability in serum-free culture.

ITSE+A Animal-Free[™] – A chemically defined supplement with insulin, transferrin, selenium, ethanolamine, & recombinant albumin to maximize cell growth, stability, & viability in serum-free media.

Key Benefits

Insulin – Insulin promotes the uptake of glucose and amino acids and facilitates cellular signaling.



Transferrin – Transferrin delivers intracellular iron via the transferrin receptor, drives cellular respiration, chelates free iron, and reduces generation of cytotoxic free radicals and peroxide.



Selenium – Selenium is required for the activity of glutathione peroxidase, thioredoxin reductase, & other crucial antioxidant enzymes.



Ethanolamine – Ethanolamine is a phospholipid precursor that improves the performance of cells in serum-free media and is required for the growth of certain cell types.



Albumin – Albumin binds, transports, & delivers ions, fatty acids, vitamins, hormones, small-molecule drugs, & toxins; regulates serum pH & osmotic pressure; & provides anti-oxidant activity.



www.invitria.com/its-family | 1-800-916-8311

Cell Culture Media Supplements



Product	SKU	Unit Price
<u>ITS AF, 10 mL</u>	777ITS091-10mL	\$59.80
<u>ITS AF, 10 x 10 mL</u>	777ITS091-10x10	\$518.95
<u>ITS AF, 100 mL</u>	777ITS091-100mL	\$483.64
<u>ITS AF, 1 L</u>	777ITS091-1L	Quote

NVITRIA

*<u>Request a quote</u> for bulk & large-scale format options.

Product	SKU	Unit Price
<u>ITSE AF, 10 mL</u>	777ITS032-10mL	\$65.26
<u>ITSE AF, 10 x 10 mL</u>	777ITS032-10x10	\$497.55
<u>ITSE AF, 100 mL</u>	777ITS032-100mL	\$529.65
<u>ITSE AF, 1 L</u>	777ITS032-1L	Quote

*<u>Request a quote</u> for bulk & large-scale format options.



Product	SKU	Unit Price
<u>ITSE+A AF, 10 mL</u>	777ITS092-10mL	\$72.15
<u>ITSE+A AF, 10 x 10 mL</u>	777ITS092-10x10	\$529.65
<u>ITSE+A AF, 100 mL</u>	777ITS092-100mL	\$561.75
<u>ITSE+A AF, 1 L</u>	777ITS092-1L	Quote
* <u>Request a quote</u> for bulk & large-scale format options.		
See the	ITS Family!	

www.invitria.com/its-family | 1-800-916-8311

SCAN ME



Recombinant Lactoferrin

Lacromin[®]

Recombinant Lactoferrin for Cell Growth & Protection

Lacromin is a recombinant human lactoferrin capable of increasing cell expansion while protecting from apoptosis (programmed cell death) in select cell types through activation of specific cellular signaling, similar to that of Insulin-Like Growth Factor (IGF). Lacromin is particularly well-suited as a cell culture media supplement for CHO and HEK cells and select primary and pluripotent cell types.

Lacromin is ideal for:

- Cell & Gene Therapy
- Animal-Origin-Free Cell Culture
- Stem Cell Expansion
- Bioprocessing & Fermentation
- Diagnostics & Reagents
- Antibody Production
- Tissue Engineering

Ordering Information

Product	SKU	Unit Price
Lacromin, 10 g	777LAC015-10g	\$840.00
<u>Lacromin, 100 g</u>	777LAC015-100g	\$7,500.00
<u>Lacromin, 1 Kg</u>	777LAC015-1Kg	Quote

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



Product Name: <u>Lacromin</u> Type: Recombinant human holo-lactoferrin Format: Lyophilized powder

Key Benefits

Replaces animal lactoferrin – Chemically defined for serum-free biomanufacturing.

- Enhances cell metabolism Improves nutrient uptake & cellular function.
- Supports viability & proliferation Optimized for various cell lines.
- **Reduces oxidative stress** Lowers ROS for better cell health & performance.
- **Ensures batch consistency** Reliable results for scalable bioprocessing.



www.invitria.com/lacromin | 1-800-916-8311





SCAN ME

OptiLeukin[™] 2

Bacteria-Free, Defined IL-2 for Cell Therapy

OptiLeukin[™] 2 is a high-purity, recombinant human IL-2 produced in a plant-based, animalfree system. Free from bacterial contaminants and endotoxin risk, it delivers consistent bioactivity to support the expansion of T cells, Tregs, TILs, γδ T cells, and NK cells. Designed for chemically defined media, it offers a safer, scalable IL-2 solution for cell therapy and biomanufacturing.

OptiLeukin 2 is ideal for:

- T Cell Expansion
- Treg & TIL Expansion
- NK Cell Manufacturing
- γδ T Cell Manufacturing
- iPSC-Derived Immune Cells
- Immunotherapy Research
- Bioprocessing & Scale-Up

Ordering Information

Product	SKU	Unit Price
<u>OptiLeukin 2, 100 µg</u>	555OLK0070-100ug	Quote

*<u>Request a quote</u> for bulk & large-scale format options.





Product Name: <u>OptiLeukin 2</u> Type: Recombinant human Interleukin-2 Format: Lyophilized powder

Key Benefits

- **Animal-free & bacteria-free** Ensuring a cleaner, safer alternative for cell therapy and biomanufacturing.
- **Optimized for immune cell expansion** Supports proliferation, viability, and activation of T cells, Tregs, TILs, γδ T cells, and NK cells.
- Stable & high-potency IL-2 Designed for consistent bioactivity
 - **Integrates with defined media** Supports serum-free, chemically defined systems efficiently.
- **Scalable** Reliable for biomanufacturing and large-scale production.



www.invitria.com/optileukin-2 | 1-800-916-8311



Growth Factors

LIF Leukemia Inhibitory Factor

Essential Cytokine for Stem Cell Pluripotency

LIF (Human Leukemia Inhibitory Factor) is a recombinant, animal-origin-free cytokine essential for maintaining the pluripotency and self-renewal of embryonic stem cells and iPSCs. It supports long-term culture stability while preventing spontaneous differentiation, making it ideal for regenerative medicine, biomanufacturing, and cell therapy applications.

LIF is ideal for:

- Stem Cell Culture
- Pluripotency Maintenance
- Feeder-Free mESC Systems
- Regenerative Medicine
- Developmental Biology
- Tissue Engineering
- Bioprocessing Workflows

Ordering Information

Product	SKU	Unit Price
<u>LIF, 10 mL</u>	777LIF048-10mL	\$5,200.00

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



Product Name: LIF Leukemia Inhibitory Factor Type: Recombinant human LIF Format: Lyophilized powder

Key Benefits

Ultra-low endotoxin – 500x lower endotoxin than E. coli-derived LIF.

- **High purity & bioactivity** Ensures consistent pluripotency maintenance.
- **Ready-to-use format** Sterile liquid, no reconstitution required.
- **Optimized for feeder-free systems** Supports clean, reproducible culture conditions.
- **Scalable** Ideal for research and GMP applications.



www.invitria.com/lif | 1-800-916-8311

Recombinant Human Lysozyme Lysobac®

Recombinant Lysozyme for Contamination Control

Lysobac is a recombinant, animal-free lysozyme designed to efficiently disrupt bacterial cells in bioprocessing. Free from egg-derived materials, it completely eliminates allergen risks, enhancing safety for manufacturing operators and patients. Lysobac reliably breaks down bacterial cell walls, ensuring superior purity and batch-to-batch consistency compared to mechanical methods or traditional egg-derived lysozyme. Ideal for biologics manufacturing, cell therapy, and regenerative medicine workflows.

Lysobac is ideal for:

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

Ordering Information

Product	Size	Unit Price	
<u>Lysobac, 10 g</u>	777LYS016-10g	\$299.25	
<u>Lysobac, 100 g</u>	777LYS016-100g	\$2,677.50	
<u>Lysobac, 1 Kg</u>	777LYS016-1Kg	Quote	

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



NVITRIA

Product Name: Lysobac Type: Recombinant human lysozyme Format: Lyophilized powder

Key Benefits

- **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.



www.invitria.com/lysobac | 1-800-916-8311



Complete Cell Culture Media OptiVERO[®]

Chemically Defined Vero Medium for Viral Production

OptiVERO is a chemically defined, cGMPmanufactured medium optimized for Vero cell expansion and virus production. Unlike traditional serum-free media containing plant hydrolysates, OptiVERO eliminates undefined components to enhance consistency, maximize viral titers, and improve downstream purification. It supports both 2D and 3D culture systems and is compatible with a range of bioreactors and microcarrier-based platforms.

OptiVERO is ideal for:

- Vaccine Production
- Viral Vector Production
- AOF VERO Culture
- Bioprocessing & Scale-up
- Antiviral Research
- Gene Therapy
- Oncolytic Virus Production

Ordering Information

Product	SKU	Unit Price	
<u>OptiVERO Kit, 1 L</u>	777OCM090-1L	\$198.50	

*<u>Request a quote</u> for bulk & large-scale format options.





SCAN ME

Product Name: <u>OptiVERO</u> Type: Defined complete cell culture media Format: Liquid

Key Benefits

Supports high-density VERO culture – Maximizes cell growth and viability.

- **Boosts viral yield & replication** Enhances virus production efficiency in LESS time.
- **Serum-free for consistency** Eliminates variability from FBS and undefined plant hydrolysates, ensuring reproducible results.
- **Optimized for large-scale production** Enables efficient bioprocess scale-up Offered in scale-up formats.

Meets vaccine manufacturing standards – Designed for regulatory compliance.



www.invitria.com/optivero | 1-800-916-8311





Exbumin rHSA

ITS, ITSE, & ITSE+A Animal-Free

		-/ - /			
Product	SKU	Unit Price	Product	SKU	Unit Price
<u>Exbumin, 10 g</u>	777HSA097-10g	\$950.00	<u>ITS AF, 10 mL</u>	777ITS091-10mL	\$59.80
<u>Exbumin, 100 g</u>	777HSA097-100g	\$8,170.00	<u>ITS AF, 100 mL</u>	777ITS091-100mL	\$483.64
<u>Exbumin, 1 Kg</u>	777HSA097-1Kg	Quote	ITS AF, 10x10 mL	777ITS091-10x10	\$518.95
<u>Optibumin 25 rHSA</u>		<u>ITS AF, 1 L</u>	777ITS091-1L	Quote	
<u>Optibumin 25, 100 mL Bag</u>	555HSA0075-100mL-B	G \$785.00	ITSE AF, 10 mL	777ITS032-10mL	\$65.26
Optibumin 25, 100 mL Bottle	555HSA0075-100mL-B	T \$785.00	ITSE AF, 100 mL	777ITS032-100mL	\$497.55
Optibumin 20 rHSA			ITSE AF, 10x10 mL	777ITS032-10x10	\$529.65
<u>Optibumin 20, 100 mL</u>	777HSA105-100mL	\$1,660.00	<u>ITSE AF, 1 L</u>	777ITS032-1L	Quote
<u>Optibumin 20, 1 L</u>	777HSA105-1L	\$14,800.00	ITSE+A AF, 10 mL	777ITS092-10mL	\$72.15
Cellastim S rHSA		ITSE+A AF, 100 mL	777ITS092-100mL	\$529.65	
<u>Cellastim S, 10 g</u>	777HSA017S-10g	\$548.00	ITSE+A AF, 10x10 mL	777ITS092-10x10	\$561.75
<u>Cellastim S, 100 g</u>	777HSA017S-100g	\$4,349.00	ITSE+A AF, 1 L	777ITS092-1L	Quote
<u>Cellastim S, 1 Kg</u>	777HSA017S-1Kg	Quote	Growth Factors		
<u>Optiferrin rhTransferrin</u>		<u>LIF, 10 mL</u>	777LIF048-10mL	\$5,200.00	
<u>Optiferrin, 1 g</u>	777TRF029-1g	\$332.75	<u>OptiLeukin 2, 100 µg</u>	555OLK0070-100ug	Quote
<u>Optiferrin, 10 g</u>	777TRF029-10g	\$2,059.75	Lysobac rhLysozyme		
<u>Optiferrin, 100 g</u>	777TRF029-100g	Quote	<u>Lysobac, 10 g</u>	777LYS016-10g	\$299.25
<u>Optiferrin, 1 Kg</u>	777TRF029-1Kg	Quote	<u>Lysobac, 100 g</u>	777LYS016-100g	\$2,677.50
Lacromin rhLactoferrin		<u>Lysobac, 1 Kg</u>	777LYS016-1Kg	Quote	
Lacromin, 10 g	777LAC015-10g	\$840.00	OptiVERO Complete Media Kit		
Lacromin, 100 g	777LAC015-100g	\$7,500.00	<u>OptiVERO Kit, 1 L</u>	777OCM090-1L	\$198.50
<u>Lacromin, 1 Kg</u>	777LAC015-1Kg	Quote	С	order Today!	

*Request a quote on bulk pricing and custom large-scale formats.





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