Data Sheet

Optibumin® 20

Recombinant Human Serum Albumin (rHSA)

Highly Pure Recombinant Albumin for Advanced Bioprocessing

The highest-purity 20% 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.

Applications

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



Specifications

Purity	≥ 99.0% recombinant human serum albumin
Format	Liquid
Concentration	20% (w/v)
Sterility	Sterile
Shelf Life	3 years
Regulatory Compliance	cGMP, ISO 9001
Packaging	100 mL, 1 L bottles
Storage	2–8°C

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

SCAN ME

Try Optibumin 20 Today!

www.invitria.com/optibumin20

Data Sheet

Optibumin 20

Recombinant Human Serum Albumin (rHSA)

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.



- 20% weight/volume solution
- Highest purity
- Lipid-stripped
- No additives or preservatives
- High mercapto-albumin (Cys-34 free thiol) concentration
- Excipient grade

Product	Size	Product #
Optibumin 20	100 mL	777HSA105-100mL
Optibumin 20	1 L	777HSA105-1L

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

Secure Your Supply Now!

SCAN ME

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