



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% recombinant human serum albumin
Format	Liquid
Concentration	20% (w/v)
Sterility	Sterile
Shelf Life	2 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.

Optibumin₂₀

SCAN ME

Try Optibumin 20 Today!



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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	SKU
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!



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