



C E L L P R I M E TM A L L I A N C E

FAQ Sheet

CellPrimeTM rAlbumin AF-G

Frequently Asked Questions - Product Information

1. What is CellPrime rAlbumin AF-G?

CellPrime rAlbumin AF-G is a recombinant analog of human serum albumin, specifically engineered to provide an animal-free alternative to current serum-derived human or bovine albumin. Suitable for both research and commercial scale mammalian cell culture, it also offers superior benefits over animal-derived albumin by eliminating the consistency and regulatory issues commonly associated with animal-derived albumin.

2. How can I use CellPrime rAlbumin AF-G?

CellPrime rAlbumin AF-G can directly replace bovine or human serum albumin in cell culture medium and other applications that use native albumin. An optimization experiment should be performed to determine the ideal concentration, as it may vary slightly from the native protein due to the lack of other contaminants that commonly co-precipitate with native albumin. Typical final production media concentration is 1 g/L. Optimal concentration will vary, depending on your assay and other medium components.

3. Is CellPrime rAlbumin AF-G manufactured according to ISO 9001:2000 standards?

Yes, CellPrime rAlbumin AF-G is manufactured to ISO 9001:2000 standards.



4. How is CellPrime rAlbumin AF-G produced?

CellPrime rAlbumin AF-G is manufactured by Novozymes BioPharma in a proprietary *Aspergillus oryzae* host. For further information on Novozymes' technologies visit: <http://www.novozymes.com/en/MainStructure/Biopharma/Technologies/>

5. What is the difference between CellPrime rAlbumin AF-S and AF-G?

Both CellPrime rAlbumin AF-S and rAlbumin AF-G are recombinant human serum albumin proteins. AF-S is produced in *Saccharomyces cerevisiae*, while AF-G is produced in *Aspergillus oryzae*. The AF-S is engineered for high-end stem and therapeutic cell culture applications and medical devices, and is available as a liquid solution. The AF-G is a beige powder engineered for large scale industrial cell culture fermentation.

6. Are any animal- or human-derived components used in the manufacture of CellPrime rAlbumin AF-G?

No, CellPrime rAlbumin AF-G is manufactured using a process that is completely free of animal- or human-derived ingredients including the establishment of master cell banks. It also meets Millipore's definition of animal-free having no animal-origin components in: the Master Cell Bank, the Working Cell Bank, raw materials, manufacturing process or the final product.

7. What type of documentation is available for each batch of CellPrime rAlbumin AF-G?

Each batch of CellPrime rAlbumin AF-G is accompanied by a batch-specific Certificate of Analysis which includes the product characteristics and their respective specifications and results.

8. How can I sample or purchase CellPrime rAlbumin AF-G?

CellPrime rAlbumin AF-G can be sampled or purchased from Millipore, the exclusive distributor of the CellPrime product portfolio.

US and Canada (1-800.645.5476)

Europe (+31.20.567.2601)

All others (+1.781.533.6000)

Email: orders@millipore.com

9. What packaging sizes are available?

CellPrime rAlbumin AF-G is available in 1 g, 5 g, 10 g, 100 g, 1 kg, 5 kg, and 10 kg sizes.

10. Can you define the relationship between Millipore and Novozymes?

Millipore and Novozymes have formed a strategic alliance to supply animal-free supplements for cell culture and bioprocessing applications. The CellPrime portfolio of high quality, animal-free ingredients optimizes productivity, addresses drug safety and eases regulatory approval. Furthermore, the strength and expertise of both alliance partners assures the reliable long-term supply of these regulatory compliant supplements.

11. Where can I find more information on CellPrime rAlbumin AF-G, as well as other proteins in the CellPrime product portfolio?

For further information on the CellPrime product portfolio visit: www.millipore.com/cellprime.



Millipore and Novozymes Partnership

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Lit No. PF12230000 03/09 UP-SBU-09-01539
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