



CELLPRIME™ ALLIANCE

Data Sheet

# CellPrime™ rAlbumin AF-S

## An Essential Component for Optimal Cell Culture Performance

Therapeutic protein production systems rely on the use of large quantities of cell culture media supplements such as serum albumin for promoting cell growth and increasing recombinant protein yield. The numerous functions of albumin include the maintenance of osmotic balance and transport, distribution and metabolism of many endogenous and exogenous ligands (e.g. fatty acids, amino acids, steroids, metals and numerous pharmaceuticals).

CellPrime rAlbumin AF-S is a 10% solution produced without the use of any animal or human derived ingredients. This eliminates concerns about the possible presence of adventitious agents such as viruses or other infectious agents of animal or human origin. It is ideally suited for media development, optimization or supplementation and is a substitute for human serum albumin in instances where animal-free conditions are required.



### CellPrime rAlbumin AF-S Features

- Animal-free
- Replacement for animal derived albumin
- Recombinant – expressed in *Saccharomyces cerevisiae*
- No detectable proteolytic activity
- Low fatty acid
- Formulated for cell culture applications

# CellPrime rAlbumin AF-S

## Specifications

Assay	Specification
Protein by GP-HPLC	95 – 105 g/L
Octanoate by gas chromatography	4 – 12 mM
Sodium by atomic absorption	120 – 160 mM
Purity by native PAGE	≥ 99%
pH by standard QC method	6.4 – 7.4
Identity by peptide mapping	Profile comparable to standard
Endotoxin by LAL	≤ 0.5 EU/mL
Sterility by Japanese pharmacopoeia test	Passes
Appearance by visual inspection	Clear, colorless to slightly yellow/amber solution

## Ordering Information

	Pack Size	Catalogue No.
CellPrime rAlbumin AF-S 10% solution	2 g/10 mL	9501-20
	5 g/50 mL	9501-50
	Bulk	

## International Distribution and Sales

Our CellPrime rTransferrin AF is used in research and manufacturing worldwide.

### To Learn More, Contact Customer Service:

US and Canada (1-800.645.5476 or 1-781.533.6000) · Europe (+31.20.567.2601) · All others (+1.781.533.6000)

Technical Service (+1.781.533.6000) · Email: [orders@millipore.com](mailto:orders@millipore.com)

Millipore has a range of animal-free supplements for use in industrial cell culture. Please visit [www.millipore.com](http://www.millipore.com) for more information.

## Millipore and Novozymes Partnership

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 alternatives optimizes productivity; addresses drug safety and eases regulatory approval. Along with strength and expertise of both companies comes the assurance of reliable, long term supply of these regulatory compliant supplements.

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