Data Sheet

CellPrime® rAlbumin AF-S

An essential component for optimized 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 non-animal origin conditions are required.



CellPrime® rAlbumin AF-S features

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

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

Description	Qty/Pk	Catalog No.
CellPrime® rAlbumin AF-S 10 % solution	2 g/20 mL	9501-20
	5 g/50 mL	9501-50
	Bulk	

For more information and documentation please contact:

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