

## Bovine Serum Albumin

### Cohn Analog™ Culture Grade Powder

#### DESCRIPTION

Proliant Cohn Analog™ Culture Grade Powder is a high-performance, growth-enhancing preparation of bovine serum albumin for cell and microbial culture. The product was designed to incorporate and improve upon the characteristics of “Cohn Fractionated” BSA. The product retains much of the functionality of Cohn fractionated albumin and more. Our proprietary modification of the Cohn manufacturing process is designed to retain the critical lipids and co-factors from plasma. Proliant’s procedure not only ensures Cohn fractionated characteristics, but actually can enhance the BSA performance over many Cohn products.

#### APPLICATIONS

Proliant’s Cohn Analog Culture Grade albumin product is ideal for the growth of fastidious microorganisms such as *leptospira* and *B. burgdorferi* (Lyme Disease), as well as for mammalian cells such as hybridomas and CHO. Cohn Analog products can also be optimized for various cell and bacterial cell lines.

#### FEATURES / BENEFITS

- Functionally equivalent or superior to Cohn Ethanol albumin in most applications
- Low endotoxin
- Complete Origin Traceability to Facilitate Regulatory Approval
- “Closed Loop” Manufacturing\* – Minimizes Contamination and Maximizes Reproducibility.
- Superior Solubility/Filterability for Ease of Use
- Product Development and Technical Services for maximum responsiveness and flexibility
- Produced from USDA-certified bovine plasma
- Manufactured According to FDA Bulk Pharmaceutical Chemical GMP’s

#### SCIENTIFIC ANALYSIS

	<b>Specification</b>	<b>Typical</b>
Protein	≥ 96%	99%
Purity (albumin)	≥ 96%	99%
Moisture	≤ 5%	< 2%
pH	6.5-7.5	7.0
(custom only)	5.0-5.6	5.2
Ash	< 3%	1%
Endotoxin	< 10 EU/mg	0.1
Bioburden	< 1000 cfu/g	< 100

#### PHYSICAL CHARACTERISTICS

Proliant Culture Grade Powder is Bovine Serum Albumin is a highly soluble off-white to tan colored lyophilized powder. A solution of up to 30% in de-ionized water is clear to slightly hazy with no particulates. Cohn Analog Culture Grade BSA powder is available at neutral pH or on a custom basis at a pH of approximately 5.2.

#### PACKAGING

Available in a variety of package sizes from 10g bottles to 15 kg bulk.

#### STORAGE RECOMMENDATIONS

Store product sealed in a cool, dry environment for up to 5 years.

#### ORDERING INFORMATION

Please order by product name “Bovine Serum Albumin, Cohn Analog Culture Grade Powder” and refer to SKU # 68300.

\*Proliant’s unique “Closed Loop” Manufacturing means that we collect only in exclusive abattoirs with our own USDA approved proprietary collection system. The material undergoes ante-and post-mortem inspection to ensure it is the highest edible grade before it is loaded *directly* into USDA-sealed tankers *owned and operated by Proliant*. No other manufacturer can claim this important closed link, as they must buy their raw material from outside sources and the spot market.

*What’s more, from the time our product enters our tankers to the moment it is loaded into the dryers, the product is not exposed to the external environment. Once the raw material reaches our GMP plant, the material is loaded directly into our process and manufactured through a series of closed tanks, lines, filters and separation equipment. In our plant there are no exposed filter presses or open tanks, nor is any non-food grade or noxious solvent material introduced into the process. There is also no possibility of contamination with other animal-derived products or bovine tissues in our completely dedicated facility.*