

BSA Precision Grade, Fatty Acid-free

Precision Grade - Fatty Acid Free Bovine Serum Albumin (BSA) is a high purity, lyophilized "Fraction V" powder derived from the plasma of MPI-inspected healthy New Zealand origin animals. The albumin is isolated from other plasma proteins by a unique proprietary, separation non-solvent procedure. The process includes a modified Cohn/ heat-shock procedure designed to inactivate proteases and other potentially interfering enzymes

Applications

- Diagnostic & research applications where enhanced sensitivity is required due to low NEFA specification
- Ideal for sensitive IVD assays susceptible to background interference
- Protease-sensitive immunoassays such as RIA, EIA, fluorescent and chemiluminescent
- Protein standard, diluent
- Protein, conjugate or enzyme stabilizer
- Hybridization
- Cell culture applications. Including development of serum-free media

Physical Characteristics

This product is presented as a tan to green cast lyophilized powder. A solution of up to 30% in de-ionized water is clear to slightly hazy and virtually particulate-free.

	<u>Specification</u>	<u>Typical Values</u>
Protein (dry basis)	≥ 98.0%	99%
Purity (albumin)	≥ 98.0%	100%
Fatty Acids (NEFA)	≤ 0.01%	None Detected
Solubility (4% water)	Clear/slightly hazy	Clear/slightly hazy
Moisture	≤ 5.0%	< 2.0%
pH (10% water)	6.5-7.5	6.8-7.2
Ash	< 2.0%	< 2.0%
Protease	None Detected	None Detected
Endotoxin	≤ 3 EU/mg	0.1 EU/mg
IgG	None Detected	None Detected

Additional results for Sodium, Chlorine, Potassium and Calcium may also be provided, if required.

Benefits

- High purity, low interference, low background
- Fatty acid free

- Virtually no detectable protease activity, ensures Assay Integrity
- “Closed Loop” manufacturing, minimizes open air contamination & maximizes lot-to-lot consistency
- Superior solubility/filterability for ease of use
- Manufactured according to FDA cGMPs

Product Information

Product Code	Product Description	Pack Size
BSA-69760-100g	BSA Reagent Grade, Fatty acid-free, protease-free, low endotoxin – US origin	100g
BSA-69760-500g	BSA Reagent Grade, Fatty acid-free, protease-free, low endotoxin – US origin	500g
BSA-69760-1kg	BSA Reagent Grade, Fatty acid-free, protease-free, low endotoxin – US origin	1kg
BSA-69760-10kg	BSA Reagent Grade, Fatty acid-free, protease-free, low endotoxin – US origin	10kg

Storage and shelf life

Product should be stored in a cool, dry environment for up to three years. The product is stable for up to 5 years, following requalification.

Additional Information

CAS number: 9048-46-8

Support

Life Science Production is a division of Life Science Group Ltd.
 Life Science Production is [ISIA Traceability Certified](#)
 Life Science Group Ltd is an ISO 9001:2015 Certified company

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