

Product Data Sheet

Bovine Serum Albumin - Sulfhydryl Blocked, U.S. origin

Order No.	BSA-xxxxSH	BSA-0010SH	(10 g)
		BSA-0100SH	(100 g)
		BSA-1000SH	(1000 g)
Product description	BSA-xxxxSH is an off-white to amber, 98 % minimum, lyophilized BSA powder produced by a proprietary process that effectively blocks free thiol groups to provide a high monomer albumin with minimum polymerization upon storage. The product is free of IgG and protease and is essentially free of fatty acids. BSA-xxxxSH is used where stable primary standards are necessary and for immunodiagnostic assays such as RIA and ELISA.		
Product features	<ul style="list-style-type: none"> • Highly purified product absent of protease • Free of reactive sulfhydryl groups • Free of interfering immunoglobulins • Highly soluble, crystalline powder that forms clear, particle-free solutions with water • Complete traceability of raw materials and finished product • Manufactured under cGMP in a USDA-site registered facility • Incoming feed stock only collected from U.S.-origin healthy animals that undergo extensive ante- and post-mortem inspections according to strict USDA requirements • Available for export under EU Regulation (EC) No 1069/2009 and Regulation (EU) No 142/2011 		
Storage	2 – 25 °C for up to 3 years		

For research or manufacturing use only. Not for use in diagnostic procedures.

Analysis:

	Specification	Typical
Protein purity	Min. 98 %	99.8 %
Sulfhydryl assay	None detected	None detected
Presence of protease	None detected	None detected
Loss on drying	Max. 5 %	1.1 %
pH (10 % solution)	6.7 – 7.3	7.1
Sodium content (10 % solution)	Max. 50 mEq/L	28 mEq/L
Chloride content (10 % solution)	Max. 35 mEq/L	5 mEq/L
Presence of IgG	Below detectable limits	Below detectable limits
Absorbance at 550 nm (4 % solution)	< 0.150	0.024
Microbial content	Max. 3 CFU/mL	0 CFU/mL
Virus testing		
a) Vesicular stomatitis	Negative	Negative
b) Bluetongue	Negative	Negative

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