

# Product Data Sheet

## Bovine Serum Albumin - Standard Grade, U.S. origin

Order No.	BSA-xxxxSG	BSA-0010SG	(10 g)
		BSA-0100SG	(100 g)
		BSA-1000SG	(1000 g)
Product description	BSA-xxxxSG is a highly purified "Fraction V" Bovine Serum Albumin (BSA). The lyophilized powder is initially fractionated through a modified heat-shock procedure and further purified by isolation from other plasma proteins, lipids, and extraneous ions by extensive diafiltration and ion-exchange steps. BSA-xxxxSG is a work-horse protein that has typical applications in serum media, bacterial culture work and as a stabilizer for EIA and RIA enzymatic systems that require high purity.		
Product features	<ul style="list-style-type: none"> <li>• Highly purified product absent of chemical and microbial contamination</li> <li>• Highly soluble, crystalline powder that forms clear, particle-free solutions with water</li> <li>• Complete traceability of raw materials and finished product</li> <li>• Manufactured under cGMP in a USDA-site registered facility</li> <li>• Incoming feed stock only collected from U.S.-origin healthy animals that undergo extensive ante- and post-mortem inspections according to strict USDA requirements</li> <li>• Available for export under EU Regulation (EC) No 1069/2009 and Regulation (EU) No 142/2011</li> </ul>		
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. 96 %	99.8 %
Loss on drying	Max. 5 %	1.5 %
pH (10 % solution)	6.7 – 7.3	7.0
Conductivity (10 % solution)	Max. 3000 µS	1000 µS
Sodium content (10 % solution)	Max. 50 mEq/L	25 mEq/L
Chloride content (10 % solution)	Max. 50 mEq/L	2 mEq/L
Microbial content	Max. 3 CFU/mL	0 CFU/mL
Virus testing		
a) Vesicular stomatitis	Negative	Negative
b) Bluetongue	Negative	Negative

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