

Bioproduction

Get a secure supply of the lowest-risk BSA

Gibco BSA products—sourced and manufactured in New Zealand to empower your work

Gibco™ bovine serum albumin (BSA) products have a reputation for reliability and purity for key production and diagnostic applications. Choose the BSA product from our portfolio that best suits your specific needs, ranging from Gibco™ AlbuMAX™ cell culture–grade BSA to Fraction V and ultralow IgG products for use in the production of sensitive therapeutic products.

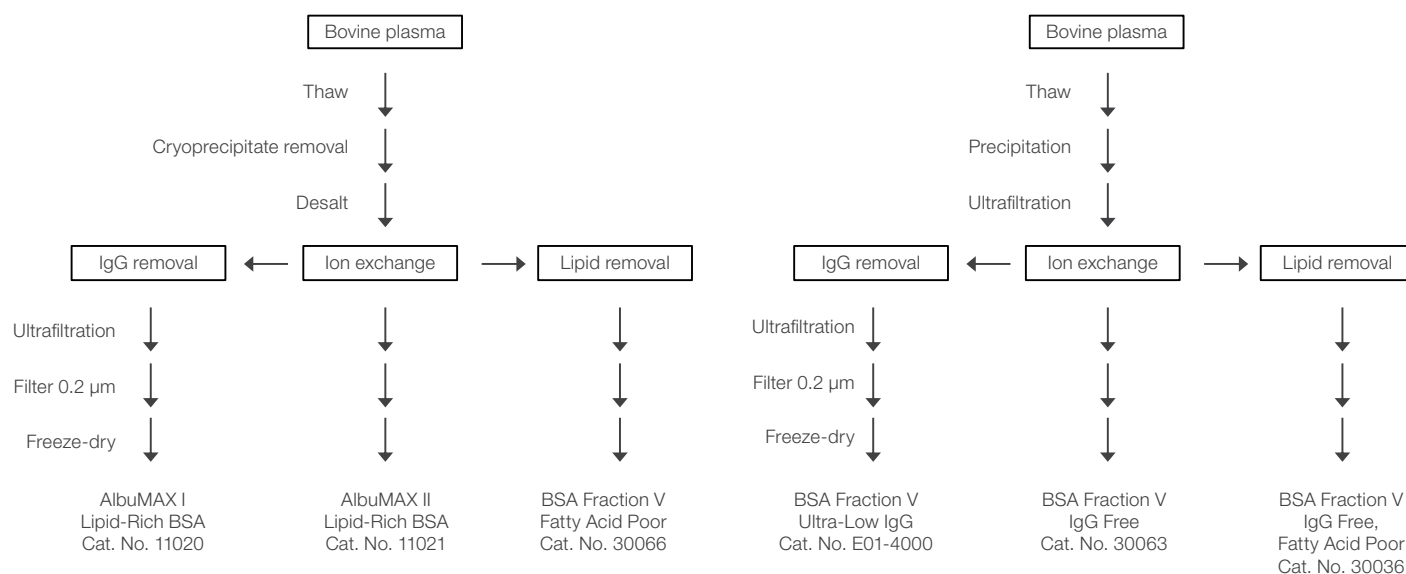
- Multiple process variations available for cell culture and diagnostic applications
- Custom capabilities available
- Manufactured in New Zealand

Gentler processing for better results

The chromatographic processes outlined below were developed to meet specific industry requirements and result in a BSA product that is advanced beyond the original Cohn Fraction V. Unlike heat treatments that can denature proteins, our gentler processing steps translate to better preservation of BSA characteristics, resulting in better performance and reliability.

AlbuMAX Lipid-Rich BSA, cell culture grade

BSA Fraction V



Batch and custom flexibility

We continue to expand liquid and lyophilization capacities to meet forecasted needs. We also offer BSA as a liquid in varying concentrations up to 20%. Liquid batches can range from 1,200 to 2,000 L (~200–500 kg). Powdered BSA is offered in routine batch sizes ranging from 110 to 120 kg. Specific testing requirements can also be accommodated.

Contact your regional customer service representative for more information about specialized product formulations, including custom cell culture media that include BSA at concentrations that you specify. In addition, we have a validated irradiation treatment available for custom-finished powders to ensure that the BSA product you receive is low in risk and ready for your process.

Table 1. Standard testing specifications for BSA by product.

Cat. No.	11020	11021	30066	E01-4000	30063	30036
Description	AlbuMAX I Lipid-Rich BSA	AlbuMAX II Lipid-Rich BSA	BSA Fraction V Fatty Acid Poor	BSA Fraction V Ultra-Low IgG	BSA Fraction V IgG Free	BSA Fraction V IgG Free, Fatty Acid Poor
Test						
Purity	NLT 98%	NLT 98%	NLT 98%	NLT 98%	NLT 98%	NLT 98%
Protein	NLT 90%	NLT 90%	NLT 90%	NLT 95%	NLT 90%	NLT 90%
pH	6.5–7.5	6.5–7.5	6.5–7.5	7.0–7.2	6.5–7.5	6.5–7.5
Moisture	NMT 5%	NMT 5%	NMT 5%	NMT 5%	NMT 5%	NMT 5%
Bioburden (cfu/g)	NMT 100	NMT 100	C&R	NMT 100	C&R	C&R
Solubility (20% solution)	Complete	Complete	Complete	Complete	Complete	Complete
Endotoxin (EU/mg)	NMT 2	NMT 2	NMT 5	NMT 2	NMT 5	NMT 5
IgG	NMT 0.1%	NMT 1%	–	NMT 4 ppm	NMT 0.2%	NMT 0.2%
Mycoplasma	Negative	Negative	Negative	Negative	Negative	Negative
Cell culture	Pass	Pass	Pass	Pass	–	–
Virus (9 CFR)	Negative	Negative	Negative	Negative	Negative	Negative
Lipid content (µg/mg)	NLT 2.5	NLT 2.5	NMT 2	–	–	NMT 1
Lipid profile	Typical	Typical	Typical	–	–	Typical

Note: NLT = not less than; NMT = not more than; C&R = check and record; “–” = not typically tested.

Ordering information

Product*, **	Pack size**	Cat. No.
AlbuMAX I Lipid-Rich BSA	1 kg	11020039 (also known as 11020-039)
AlbuMAX II Lipid-Rich BSA	1 kg	11021045 (also known as 11021-045)
BSA Fraction V Fatty Acid Poor	1 kg	30066-724
BSA Fraction V Ultra-Low IgG	1 kg	E01-4000 IP†
BSA Fraction V IgG Free	1 kg	30063-721†
BSA Fraction V IgG Free, Fatty Acid Poor	1 kg	30036-727†

* Irradiation of any of these products is also available upon request.

** Additional pack sizes routinely available include 25 g, 100 g, 500 g, and 5 kg.

† Availability of these products is often on a “make-to-order” basis. Please inquire regarding lead time to fulfill initial testing and longer-term forecasted needs.

 Learn more at thermofisher.com/gibcobsa

gibco

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