Product Information

Bovine Serum Albumin

Product Description

Bovine Serum Albumin (also known as BSA or "Fraction V") is a serum albumin protein derived from bovine blood. It is often used as a protein concentration standard in lab experiments.
The term "Fraction V" refers to albumin being the fifth fraction of the original Edwin Cohn purification methodology that makes use of the differential solubility characteristics of plasma proteins.
BSA has numerous biochemical applications including ELISAs (Enzyme-Linked Immunosorbent Assay), immunoblots, and immunohistochemistry. It is also used as a stabilizer and cell growth supplement in cell and microbial cultures.

BSA Fatty Acid Free has extremely low levels of total lipids and fatty acids and makes it suitable for various applications in which lipids and fatty acids may interfere.

BSA Protease Free is particularly suitable for applications with protease sensitive protein components.

Applications

- Serum-free cell culture
- Additive for hybridoma cell culture
- Protein stabilizer
- Blocking agent

Product	Volume	Cat. No.
Bovine Serum Albumin, USA	50 g	D0050-4090
	100 g	D0100-4090
	500 g	D0500-4090
Bovine Serum Albumin, USA Fatty acid free	50 g	D0050-4091
	100 g	D0100-4091
Bovine Serum Albumin, USA Protease free	50 g	D0050-4092
	100 g	D0100-4092
	500 g	D0500-4092

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Product Specifications

Molecular Weight	66 kDa
CAS No.	9048-46-8
pH	6.0 – 7.5
Protein	≥96.0 %
Purity	≥98.0 %
Fatty Acids	≤0.01 % (for BSA fatty acid free)
Protease Activity	≤0.01 Units/mg (for BSA protease free)
Endotoxin	≤5 EU/mg
IgG	None detected
Moisture	≤3.0 %
Heavy Metals	≤2.0 ppm
Storage	Shipped at ambient temperature. Store at +2°C to +25°C in dry conditions.
Application	Before Application in cell culture, prepare a sterile filtered stock solution in PBS or water.

Precautions and Disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.