Bovine Serum Albumin – Cohn Fraction V, pH – 7.0

CATALOG #:	7905-5	5 g
	7905-25	25 g
	7905-100	100 g

SOURCE: The raw material used to manufacture this lot was derived exclusively from USDA-regulated abattoirs located in the United States. The animals received ante-mortem and post-mortem inspection under a licensed veterinarian's supervision and were certified at the time of slaughter as free of infectious or contagious diseases and injurious parasites.

PURITY:	≥ 98% by SDS-PAGE gel
MOL. WEIGHT:	~ 66.43 kDa
ENDOTOXIN LEVEL:	> 0.3 EU/mg by Gel Clot
FORM:	Light Brown powder

OTHER PARAMETERS:

pH (1% solution):	6.6 – 7.0 by pH meter analysis
Calcium Content:	< 2 mg/dL by Aesenazo III analysis
Chloride Content:	< 25 mEq/L by ISE analysis
Potassium Content:	< 0.2 mEq/L by ISE analysis
Sodium Content:	< 20 mEq/L by ISE analysis
Moisture Content:	2.1 % by thermogravimetric analysis
Microbial Content:	Passed lower limit. Growth monitored on a plate at 30-35ºC for 48 hrs.
Mycoplasma content:	Negative by E.I.A. Qualitative
Viral Agents (9 CFR 113):	None Detected.

SOLUBILITY: 50 mg/ml in water, with 15 min of manual stirring.

STORAGE CONDITIONS: Store at 2-8°C protected from light. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

DESCRIPTION: BioVision's BSA is prepared by utilizing the Cohn Cold Ethanol Precipitation Process. This process is optimal for preserving the nutrient factors critical to the applications of cell culture, leptospira and microbiological growth. BSA makes up approximately 60% of all proteins in animal serum. It is commonly used in cell culture protocols, particularly when protein supplementation is necessary and the other components of serum are unwanted. It aids in stabilization of enzymes and other proteins to prevent proteolysis and denaturation, especially when the proteins are present in low concentrations. In cell culture its main role is as a carrier of small molecules. Because of its negative charge, BSA binds water, salts, fatty acids, vitamins and hormones, then carries these bound components between tissues and cells. The binding capacity also makes BSA an effective scavenger for removing toxic substances, including pyrogens, from the medium.

APPLICATIONS/ADVANTAGES:

- Can be used in most systems which do not require a protease free or enzyme free reagent.
- Ideal for making diluents, controls and calibrators/standards.
- Excellent solubility and ease of filtration

RELATED PRODUCTS:

- BSA – Cohn Fraction V, pH – 5.2 **(7904-5, 25, 100)**
- BSA – Cohn Fraction V, Immunoassay Grade, Protease Free, pH – 7.0 **(7906-5, 25, 100)**
- BSA – Cohn Fraction V, Fatty Acid Free, pH – 7.0 **(7907-5, 25, 100)**
- BSA – Cohn Fraction V, Fatty Acid Free, pH – 5.2 **(7908-5, 25, 100)**
- BSA – Cohn Fraction V, Endotoxin Low, pH – 7.0 **(7909-5, 25, 100)**
- BSA – Cohn Fraction V, Endotoxin Low**,** pH – 5.2 **(7910-5, 25, 100)**
- BSA – Cohn Fraction V, Immunoassay Grade, Protease Free, pH – 5.2 **(7911-5, 25, 100)**
- BSA – Cohn Fraction V, Fatty Acid Low, pH – 7.0 **(7912-5, 25, 100)**
- BSA – Cohn Fraction V, Fatty Acid Low, pH – 5.2 **(7913-5, 25, 100)**
- BSA (10% in H_2O) **(2119-10)**
- BSA Antibody **(5998-100)**
- AGE-BSA **(2221-10)**
- Glucose AGE-BSA **(2223-10)**
- Biotinylated BSA (Biotin-LC-BSA) (3 biotin/BSA) **(7097-5, 25)**
- Biotinylated BSA (Biotin-LC-BSA) (5 biotin/BSA) **(7098-5, 25)**
- Biotinylated BSA (Biotin-LC-BSA) (12 biotin/BSA) **(7099-5, 25)**

FOR RESEARCH USE ONLY! Not to be used in humans.

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