

ALB

Native Bovine Serum Albumin, Sulfhydryl Blocked

Catalog No.	CSI10367	Quantity:	200 g
	CSI10368		500 g
Alternate Names:	BSA		
Description:	Albumin is the most abundant protein in the blood and functions in the regulation of blood plasma colloid osmotic pressure. It also acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Bovine Serum Albumin (BSA) is widely used as a protein standard, carrier protein and stabilizer in laboratory research. Sulfhydryl-blocked bovine serum albumin has free thiol groups blocked to minimize polymerization upon storage, which yields a high monomer albumin product.		
UniProt ID:	P02769		
Gene ID:	280717		
Source:	Bovine serum		
Formulation:	Lyophilized from a sterile-filtered solution.		
Purity:	≥ 98% by HPLC		
Molecular Weight:	66.5 kDa		
pH:	7.1 (10% solution), will vary by lot		
Conductivity:	1.2 mS/cm (10% solution), will vary by lot		
Contaminants:	Will vary slightly for each lot: Iron: 20 µg/dL (10% solution) Calcium: 0.5 mg/dL (10% solution) Chloride: 5 mEq/L (10% solution) Sodium: 25 mEq/L (10% solution) Protease: None Detected Bovine IgG: None Detected Free Sulfhydryls: None Detected		
Microbial Growth:	≤ 3 CFU/ml (prior to lyophilization), will vary by lot		
Loss on Drying:	1.1%, will vary by lot		
Reconstitution:	Highly soluble in water.		
Application Notes:	BSA can be used where stable primary standards are necessary and for immuno-diagnostic assays such as EIA, RIA and ELISA. It is routinely used as a blocking agent for streptavidin poly-HRP.		
Storage & Stability:	Store at 2-8 °C. Protect from moisture. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		
Certification:	The animal source of this product was collected at a USDA licensed establishment. The animals received ante and post mortem health inspections at the abattoir by a US FSIS inspector and were apparently free from infectious & contagious diseases.		

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