

Highest Purity grade Bovine Albumin

Albumin Description

BSA Highest Purity powder	UP909382 , 10g	Our BSA #UP28391 is recommended as a gold choice for specific applications requiring the highest purity.
<i>Suits Molecular Biology for the most demanding applications, notably as stabilizing of immuno or genomic reagents</i>	Storage: +4°C (L)	Other BSA are available, as standard grade (UPQ8417), Immunology and Biotech grade (UP10159), a salt free form (UP32890), a convenient 30% solution UP90013, optimized for cell biology (UPC7114), Molecular Biology (UP28391), and cell aggregation experiments (30% solution, UP90013).
Purity >99% DNAase, RNase, Ig Free garanty Minimal fatty acid pH5-5.4 (% in water) Cold ethanol fractionation US origin		

Technical information

Bovine Serum Albumin (BSA) is a protein widely used in research and industry, in a variety of applications requiring sometime very precise characteristics, as absence of certain substances, material source origin. The BSA characteristics are driven largely by the preparation method, i.e. Heat Shock Isolation versus Cold Ethanol Fractionation. To suits the different applications needs, Uptima prepares several grades of BSA, with suitable methods and quality control for specific characteristics (see related products).

Applications

Uptima Highest Purity grade BSA #UP90938 is a high quality product dedicated typically o many Molecular Biology applications.

This BSA is recommended for **genomics applications**, including genomic amplifications, nucleic acids stabilization, southern- Northern blotting applications. It is an excellent blocking/saturating agent.

It also suits most **Immunodetections**, used as a blocking agent (for microplates, blotting membranes, IHC/IHF sections) and saturating agent in (antibodies) probes dilution and washing buffers. It may suit in many others techniques as well, including proteomics but a Protease free certified BSA (UP10159) is recommended for accurate results.

This BSA #UP28391 is not recommended for cell culture media additive.

Molecular Biology grade BSA can be used **as component in manufacturing**, in cosmetics and diagnostics. Note that it should be fully validated for respective usages, because it is sold as a R&D reagent.

Origin

This BSA is made from bovine raw materials of **US origin**.

Stability - Solubility

This BSA is stable at least 3 years when stored properly (+4°C).

Bovine serum Albumin is readily soluble in distilled water or saline. Reconstitution will proceed somewhat faster in buffered saline (pH 7.0 - 8.0) above the isoelectric point for albumin (4.7). Helpful hints: start good agitation of the diluent, and then add the powder in small increments. The diluent and powder should be at room temperature. Avoid vigorous stirring or agitation, as foaming will result and may affect BSA stability.

FT-909382

Quality - Specifications

Uptima Highest Purity grade BSA #UP909381 is controlled for **purity (>99%)**, pH (10% solution is 6,5 – 7,4), loss on drying (<2%), ashes (<0.5%), and for **absence of DNase, RNase and Protease activity**. Fatty acid content is the lowest of our BSA products.

Warning

Product for R&D use

Please ask Uptima- Interchim for any question.

Related products

Albumins Selection Guide (PLP)

	Albumin from Bovine Serum (BSA)								Ovalbumin
Grade	Standard	Biotech	Molec.Biol.	HighestPurity	LowEndotoxin	LowSalt	Biotech	ImmunoH	Biotech
Form	powder	powder	powder	powder	powder	powder	Solution 30%	Solution 30%	powder
cat. #	UPQ8417	UP10159	UP28391	UP90938	C7114	UP32890	UP90010	UP90013	UPR58
Purity	>95% (98%)	>95% (98%)	98%	99%	>95% (98%)	98%	95-97%	95-97%	
DNase/RNase		No	No	No					
Protease		No		No					
Endotoxin					<1 EU/mg				
Fatty acids					Lowest			octanoic acid	
Application									
Saturation (Elisa, Blot, IHC...)	+++	++	+	+	+	+	+++	+	++
Dilution of immunoreagents	++	+++	+	++	+	+	+	-	++
Immunologicals stabilization	+	+++	++	++	++	+	++	+	++
Agglutination assays	++	++	+	-	++	+	+	+++	
Carriers (1)	++	++	+	+++	+	+	+	-	++
Standards (2)	-	+	+	+++	+	+	+		
Genomicals stabilization	+/-	++	+++	+	+	+	+	-	
gene amplification	+/-	+	+++	++	+	+	+	-	
Cell culture media	+/-	+	+	+	+++	+	-	+	

legend: +++ highly recommended ; ++ suits ; +: may suit / not recommended ; - : do not suit

(1)For the preparation of hapten-carrier conjugates, see also Uptima MaxiBind BSA, OVA and bLG.

(2)For BSA protein standard, see also BSA protein standard (2mg/ml) UP36859A.

Ask also for -saturating agents for immunoassays ([SeaBlock](#))
-BSA containing buffers (PBS, TBS)

Contact your local distributor Uptima, powered by

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