



Albumins are readily soluble in water and can only be precipitated by high concentrations of neutral salts such as ammonium sulfate.

Serum albumin may be referred to as Fraction V. This naming convention is taken from the original Cohn method of fractionating serum proteins using cold ethanol precipitation. Serum albumin was found in the fifth ethanol fraction using Cohn's method. Since then, the term "Fraction V" has been used by some to describe serum albumin regardless of the method of preparation. Others have used this term to describe serum albumin purified by ethanol fractionation methods that have been highly modified since the original Cohn method was described. Sigma-Aldrich manufactures and distributes serum albumins purified from a variety of primary methods including the true Cohn fractionation method, modified ethanol fractionation methods, heat shock and chromatography. Additional purification steps may include crystallization or charcoal filtration.

Product	Albumin, Bovine Serum
MW	mol wt ~66 kDa
CAS#	9048-46-8
Catalog Number	AA0530
Lot#	KDEC15

Test Items	Specifications	
Assay	Min~Max	Disposition
Heavy Metals (as Pb)	≤0.001 %	PASS
Iron	≤0.0005 %	PASS
Moisture	≤5.0 %	PASS
pH (5%, Water) @25°C	6.5~ 7.5	7.02
Purity	>98.0 %	98.5%

Storage: Store at 2-8 °C. Protect from moisture. Caution:
 Avoid contact with eyes, skin and clothing.
 Wash all areas of contact with copious amounts of water.
 See Material Safety Data Sheet for additional information.
 For laboratory or further manufacturing use only.
 Not intended for household use.



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