

## **Bovine Serum Albumin (7 % Solution) (Total Protein Standard)**

Art. ID	NIST-927f
Unit	10 x 2,2 mL
Deliverydetails	No Dangerous Good /not restricted

### Description

This Standard Reference Material (SRM) is intended primarily for use in the standardization of procedures employed in clinical analyses for total serum protein, for critical evaluation of daily working standards used in these procedures, and as a reference standard for assays of total protein by colorimetric methods. This SRM is a solution (mass fraction approximately 7 %) of known protein concentration and purity. The total protein content of this SRM was determined using the biuret reference method that is recommended for use in standardizing laboratory-prepared protein solutions and normal serum pools. Such standardized normal sera could then be used to calibrate refractometers or other instruments for serum protein estimations. SRM 927f may also be used for other procedures, such as gel diffusion, amino acid analysis, electrophoresis, nitrogen assays, or other tests that require well-characterized protein for calibration or evaluation. A unit of SRM 927f consists of 10 ampoules, each containing approximately 2.2 mL of solution. Measurements of the bovine serum albumin (BSA) concentration were made using two independent methods including amino acid analysis and the biuret method. The results from the two approaches are reported as follows: 1) certified BSA concentration by amino acid analysis and 2) reference BSA concentration by the biuret method. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Bovine Serum Albumin Concentration by Amino Acid Analysis	BSA Concentration		83,2 ± 0,7	g/L		
Reference Bovine Serum Albumin Concentration by the Biuret Method	BSA Concentration		87,6 ± 2,7	g/L		