

BSA Standard Grade - lyophilized

Ref: 1000-70



DESCRIPTION

CAS number: 9048-46-8

Bovine Serum Albumin (BSA) is a non-glycosylated protein of 66 kDa. Produced by the liver, it is the most abundant protein in plasma.

H2B Bovine Serum Albumin is obtained by a proprietary Heat-Shock method, designed to prevent the excessive use of denaturing organic solvents. It undergoes a thermal inactivation during 3 hours at 65 °C in order to inactivate potential viruses. Lyophilized BSA has been 0.2 µm filtered prior to being freeze-dried.

Bovine plasma used for the manufacture of this product is collected from French healthy cattle declared free from BSE disease in its clinical forms. It is sourced in EU-approved French slaughterhouses.

Thanks to over 20 years of experience and the highly controlled manufacturing process, H2B guarantees strong expertise and high batch-to-batch repeatability.

APPLICATIONS

Albumin has a key role for maintaining oncotic pressure, and is the main carrier for low molecular weight compounds such as fatty acids and hormones. Due to its versatile

properties, BSA plays a major role in numerous biological applications such as blood grouping, cell culture or immunoassays (ELISA, RIA...).

H2B Bovine Serum Albumin can be used in most diagnostic and research applications, as protein standard, stabilizer and buffering or blocking agent.

PHYSICAL CHARACTERISTICS

Lyophilized BSA has the appearance of pale yellow flakes.

ANALYSIS

Analysis	Method	Specification
Total proteins	Kjeldahl	> 92 %
Moisture	Loss on drying	< 5.0 %
pH (10% solution w/v in water)	Potentiometry	6.5 - 7.4
Albumin purity	Electrophoresis	> 97 %
Mesophilic germs	Culture	< 100 CFU/g

PACKAGING

Package size of 1 kg, other sizes available on request.

Free sample available for evaluation.

STORAGE & SHELF LIFE

Shelf life of 3 years stored in original sealed packaging, away from light, between +2°C and +8°C.

RECOMMENDATIONS FOR USE

Lyophilized BSA should be dissolved in deionised water or in usual physiological buffers, under gentle agitation between +10°C and +25°C. For biological applications requiring aseptic conditions, filtration has to be done after solubilisation.

To save time and cost of solubilisation and filtration, feel free to ask for a free sample of ready-to-use BSA Standard Grade - 30% solution (ref: 1000-30).

Only for research or manufacture of *in vitro* diagnostic reagents. Not for therapeutic use.

This data sheet has been produced for your information and is based on our best knowledge. However, customers must check themselves that any ingredients they wish to incorporate are permitted in all markets they intend to supply, particularly existing patents.