

## BSA pH 5.2 – lyophilised

### Product Description

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

LSP 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. This 30% solution BSA has been 0.2 µm filtered and is supplied as a ready-to-use solution in deionised water.

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.

### 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 etc).

BSA pH 5.2 is recommended for ELISA techniques.

### Physical Characteristics

30% solution BSA is amber and particulate-free.

| Analysis         | Method          | Specification |
|------------------|-----------------|---------------|
| Moisture         | Loss on drying  | <5%           |
| Total proteins   | Kjeldahl        | >92%          |
| pH               | Potentiometry   | 4.8 – 5.6     |
| Albumin purity   | Electrophoresis | > 97 %        |
| Mesophilic germs | Culture         | <100 CFU/g    |

### Product Information

| Product Code    | Product Description                | Pack Size |
|-----------------|------------------------------------|-----------|
| BSA-7102570-1kg | BSA pH 5.2 lyophilised - EU origin | 1 kg      |

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, the product should be filtered after reconstitution

## Additional Information

CAS number: 9048-46-8

## Support

Life Science Production is a division of Life Science Group Ltd.  
Life Science Production is [ISIA Traceability Certified](#)  
Life Science Group Ltd is an ISO 9001:2015 Certified company

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