

## Datasheet

# BSA Fraction V

## Bovine Serum Albumin 20% Solution

Product	Description	Catalogue-No.	Size
BSA	Bovine Serum Albumin (BSA) Fraction V, 20% solution	P06-1402020	20 ml
		P06-1402100	100 ml
		P06-1402500	500 ml

### Product description

The molecular weight of BSA is 66,430 Da

BSA is a single polypeptide chain consisting of about 583 amino acid residues and no carbohydrates. At pH 5-7 it contains 17 intrachain disulfide bridges and 1 sulfhydryl group.

Albumins serve as additive proteins for tissue cultures. They are the main protein component in serum and are added to cell culture media to increase the stability of cell membranes and to bind possibly toxic elements. It also binds fatty acids, bilirubin and hormones.

### Storage conditions

Storage: 2-8 °C

Stability: 2 years from date of production

Filling: 20 ml, 100 ml, 500 ml, other sizes on request

### Composition

The lyophilized BSA powder is initially fractionated through a modified heat-shock procedure and further purified by isolation from other plasma proteins, lipids and extraneous ions by extensive diafiltration and ion-exchange steps. The solution is prepared in H<sub>2</sub>O and filtered through a 0,2 µm filter.

### Suitability

BSA can be used in a serum-free cell culture. It is added to the media to increase the stability of cell membranes and to bind possibly toxic elements. Furthermore BSA is suitable as a supplement for virus production and hybridoma culture. It is used to solubilize lipids, as a blocking agent in Western blots or ELISA assays.

### Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email ([info@pan-biotech.com](mailto:info@pan-biotech.com)) or phone +49-8543-601630.

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