



## **Bovine Serum Albumin (BSA)**

### Product Data Sheet

Cat. No.:	A1422010	A1422050	A1422100
Size:	10 g	50 g	100 g

#### **Description:**

Contains 583 amino acid residues derived from the prototypical bovine serum albumin sequence. Suitable for use as a biochemical, excipient (an inert substance used as a diluent or vehicle for a protein), in cell culture media and chromatographic applications.

#### **Summary:**

Albumin is synthesized in the liver as preproalbumin which has an N-terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, proalbumin, is in turn cleaved in the Golgi vesicles to produce the secreted albumin. Albumin is a soluble, monomeric protein which comprises about one-half of the blood serum protein. Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume.

#### **Source:**

Bovine serum

#### **Purity:**

Greater than 97.0%

#### **Formulation:**

Lyophilized freeze dry yellowish powder.

#### **Solubility:**

It is recommended to reconstitute the lyophilized BSA in sterile 18M $\Omega$ -cm H<sub>2</sub>O for 20 minutes at room temperature and at a concentration no greater than 200 mg/ml.

update.: 072021

#### **Ilex Life Sciences LLC**

1465 Sand Hill Rd, Suite 2018, Candler, NC 28715

Tel: 828-531-9949; Email: info@ilexlife.com

Web: www.ilexlife.com



**Stability:**

Lyophilized BSA, although stable at room temperature for 3 weeks, should be stored 2-8° C. Upon reconstitution BSA should be stored at 4° C between 2-7 days and for future use below -18° C.

Please prevent freeze-thaw cycles.

**Usage:**

Ilex Life Sciences products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

update.: 072021

**Ilex Life Sciences LLC**

1465 Sand Hill Rd, Suite 2018, Candler, NC 28715

Tel: 828-531-9949; Email: [info@ilexlife.com](mailto:info@ilexlife.com)

Web: [www.ilexlife.com](http://www.ilexlife.com)