



## **LY-0080**

### ***Lyophilized Bovine Serum Albumin***

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## **Description**

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LY-0080 is a highly purified “Fraction V” Bovine Serum Albumin (BSA). The lyophilized 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. LY-0080 is a work-horse protein that has typical applications in serum media, bacterial culture work and as a stabilizer for EIA and RIA enzymatic systems that require high purity.

## **Product Features**

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- Highly purified product with low fatty acid levels
- Complete traceability of raw materials and finished product
- Highly soluble, crystalline powder that forms clear, particle-free solutions with water
- Manufactured under current Good Manufacturing Practices in a USDA-site registered facility
- Incoming feed stock only collected from U.S.-origin healthy animals that undergo extensive ante- and post-mortem inspections according to strict USDA requirements
- Available for Export under EU Regulation (EC) No 1069/2009 and Regulation (EU) No 142/2011
- Superior Customer and Technical Support

## **Analysis**

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	<b><u>Specification</u></b>	<b><u>Typical</u></b>
Protein Purity	Not less than 96%	99.8%
Loss on Drying	Not more than 5%	1.5%
pH, 10%	6.7 – 7.3	7.0
Conductivity, 10%	Maximum 3,000 $\mu$ S	1,000
Sodium content	Maximum 50 mEq/L	25
Chloride content	Maximum 50 mEq/L	2
Microbial Content	Maximum 3 CFU/mL	0
Virus Testing		
<i>Vesicular stomatitis</i>	Negative	Negative
<i>Bluetongue</i>	Negative	Negative

## **Storage Recommendations**

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Store up to 3 years at 2 - 25°C

Control Revision Date: May 10, 2012