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**LY-0083**  
***Lyophilized Bovine Serum Albumin***  
***Low Electrolyte***

**Description**

LY-0083 is a highly purified “Fraction V” Bovine Serum Albumin (BSA) with low electrolyte levels. 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-0083 is a model 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 and a low electrolyte level.

**Product Features**

- 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 1774
- Superior Customer and Technical Support

**Analysis**

	<u>Specification</u>	<u>Typical</u>
Protein Purity	Not less than 98%	100%
Moisture	Not more than 5%	1.1%
pH, 10%	4.9 – 5.2	5.0
Conductivity, 10%	Maximum 2,200 $\mu$ S	715
Sodium content	Maximum 35 mEq/L	18
Chloride content	Maximum 35 mEq/L	1
Microbial Content	Maximum 3 CFU/mL	0
Virus Testing		
<i>Vesicular stomatitis</i>	Negative	Negative
<i>Bluetongue</i>	Negative	Negative

**Storage Recommendations**

Store up to 3 years at 2 - 25°C