

Bovine Serum Albumin

Akron's Biotech Catalog#: **8917, 8909, 8946, 8245, 8905, 1391, 8209**

Akron Biotech offers a variety of **Bovine Serum Albumins (BSA's)** in lyophilized powder form. Our high purity **BSA** can be used for a wide range of research applications from cell cultures studies, hybridization assays, to the high-sensitivity immunoassays.

Our **BSA's** are certified as US origin and produced under cGMP. The raw materials are derived from USDA inspected facilities.

Akron Biotech also provides Australian and New Zealand origin **BSA (Non-US, AK8209)** at the request of the customer and based on the customer's requirements.

Products Description:

BSA Endotoxin Free; Cell/Tissue Growth Enhancing (AK8917)

- Lyophilized powder, low bioburden, and low IgG
- Endotoxin level is less than 1 EU/mg.
- For use as a conjugate or enzyme stabilizer in immunoassays, cell cultures and hybridization studies, promotes/sustains cell growth without toxic effect.

BSA Fatty Acid Free, Assay Stabilizing (AK8909)

- Lyophilized powder, low endotoxin, low bioburden, low IgG
- Non-esterified fatty acid level below detectable limit 0.005%.
- For use in hormone and cholesterol assays, minimizes inhibition of analytes, for fatty acid sensitive cell culture systems.

BSA Cohn Method Fraction V, Lipid Rich (AK8946)

- Processed by Modified Cohn Fractionation - Cold Ethanol – method.
- Lyophilized powder, low endotoxin, low bioburden, and low IgG
- Rich in lipids and cofactors
- For tissue culture work, microbial culture, and reproductive biology.

BSA Fraction V, pH 7.0 (AK8905)

BSA Fraction V, pH 5.2 (AK8245)

- High grade, Fraction V lyophilized powder with the protein purity in excess of 99%, low level of protease, low endotoxin, low IgG, and low bioburden

- Suited for most research applications.

BSA Protease-Free, Protein Stabilizing (AK1391)

- Lyophilized powder, low endotoxin, low bioburden, low IgG
- Protease level below sensitivity limit 0.0001 U/mg
- For use in RIA, ELISA and immunoblots, ideal blocking agent that minimizes non-specific binding, sustains cell growth without toxic effect, stabilizes media supplements.

Manufacturing Highlights:

- ✓ Derived from the plasma of USDA-inspected healthy bovine animals of US origin.
- ✓ The highly controlled manufacturing process minimizes endotoxin, bioburden and IgG levels, reducing the risk of trace contaminants that may compromise assays or cell cultures.
- ✓ Material subjected to a temperature in excess of 65°C for at least 3 hours.
- ✓ Not comingled with any other material of animal origin.
- ✓ Complete traceability.

Product Specification:

- ✓ High purity, low interference, low background
- ✓ Typical purity levels exceed 99%
- ✓ High consistency
- ✓ Very low levels of endotoxin, bioburden, IgG, and enzyme/protease activity.
- ✓ Superior solubility/filterability for ease of use
- ✓ Designed for wide range of research applications
- ✓ All of Akron **BSA's** can be used as protein standards, diluents, carrier proteins, protein stabilizers, molecular weight marker proteins, protein source in cell culture studies, and in vaccine preparations.

Packaging: 100g, 500g, 1 Kg, and custom bulk sizes.

Storage: In sealed containers in cool dry environment at 2-8°C.