



TECHNICAL DATA SHEET

TDS-BAH70

Revision 000

Effective Date: June 1, 2018

BOVINE SERUM ALBUMIN LOW ENDOTOXIN POWDER

METHOD OF PURIFICATION: Purified by our proprietary heat shock process.

USES: It is used as a natural carrier protein for indigenous fatty acids, trace minerals and growth factors in cell culture where the endotoxin level is important. BSA Low Endotoxin is ideal as a carrier of nutritional supplements in demanding serum-free and chemically defined cell and tissue cultures. It is an effective reagent to stabilize and dilute sensitive protein solutions and is also appropriate for diagnostic assays such as ELISA.

SPECIFICATIONS:

Form:	Powder
Color:	Off white
Moisture:	< 5.0%
Ash:	< 2.0%
Product pH (4% solution in DI H ₂ O):	6.5 - 7.5
Heavy metals(lead):	≤ 0.1 ppm
Albumin (electrophoresis):	≥ 98%
Solubility (A ₅₅₀):	≤ 0.30
Protein Concentration:	≥ 97%
Endotoxin:	<2.0 EU/mg

<u>CATALOG NUMBER</u>	<u>SIZE</u>
BAH70-0050	50gm
BAH70-0100	100gm
BAH70-0500	500gm
BAH70-1000	1Kg
BAH70-10000	10Kg

SCREENING AND STORAGE: This BSA is stable for ≥ 5 years when stored at + 5° C +/- 3°C in sealed dry containers. Store lyophilized powder refrigerated at 5°C ± 3°C in sealed containers. Store reconstituted material frozen at -20°C ± 5°C. Avoid repeated freezing and thawing. Lyophilized powder is shown to be stable at ambient temperature for short term storage or shipping.

The raw material for this product was collected from animals in the USA in establishments registered with the USDA. The animals received ante and post-mortem inspections under a veterinarian's supervision and were apparently free from infectious and contagious diseases. At no time during collection or processing was the material commingled with any other material of animal origin. All raw materials are screened to confirm negative for Blue Tongue Virus and Vesicular Stomatitis Virus. During processing this material was subjected to a pH of ≤ 5 for at least 3 hours. This product is sold for use in IVD, research, further manufacturing, or technical purposes only, and is not intended for direct use in diagnostic or therapeutic applications.