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TECHNICAL DATA SHEET

TDS-BAH65

Revision 000

Effective Date: August 1, 2018

BOVINE SERUM ALBUMIN PROTEASE FREE

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

USES: Excellent in immuno assays and as a diluent or blocking agent. Protease free BSA is for cell culture production of proteins sensitive to protease activity. The product has no detectable protease activity.

SPECIFICATIONS:

| | |
|---|--------------|
| Form: | Powder |
| Color: | Off white |
| Moisture: | ≤ 5% |
| Ash: | ≤ 2% |
| Product pH (4% solution in DI H₂O): | 6.8 to 7.2 |
| Heavy Metals (lead): | ≤ 0.1 ppm |
| Albumin (electrophoresis): | ≥ 98% |
| Solubility (A₅₅₀): | ≤ 0.15 |
| Protein Concentration: | ≥ 96% |
| Protease: | negative |
| Bovine IgG: | not detected |

| <u>CATALOG NUMBER</u> | <u>SIZE</u> |
|------------------------------|--------------------|
| BAH65-0050 | 50gm |
| BAH65-0100 | 100gm |
| BAH65-0500 | 500gm |
| BAH65-1000 | 1Kg |
| BAH65-10000 | 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.