

BSA Ultra-High Monomer Standard Grade 30% solution with sodium azide

Bovine Serum Albumin (BSA) Ultra-High Monomer Standard Grade 30% solution is a high purity, lyophilised Fraction V powder derived from the plasma of USDA-inspected healthy animals from slaughterhouses located in the USA. The albumin is isolated from other plasma protein products and lipids by a unique non-solvent procedure. The solution was manufactured to be a convenient, ready-to-use formulation. The separation process includes a modified Cohn/heat shock procedure designed to inactivate proteases and other potentially interfering enzymes. Further processing such as extensive membrane dialysis and filtration (including charcoal filtration) minimises analytes including non-esterified fatty acids that can cause background interference in sensitive *in vitro* diagnostic (IVD) assays. The process has been designed to help maintain the natural monomeric state of BSA for binding and transport applications, a higher uniformity blocker in diagnostic applications and more homogeneity for protein standard applications. Sodium azide has been added as a bacteriostatic.

Applications

- Protease-sensitive Immunoassays such as RIA, EIA, Fluorescent and Chemiluminescent.
- Protein standard, diluent
- Protein binding and transport
- Protein, conjugate or enzyme stabiliser
- Hybridisation

Physical Characteristics

Analysis	Specification
Protein (dry basis)	28% - 31%
pH (10% water)	6.8 – 7.3
Sodium Chloride	0 – 0.5 g/dL
B IgG	None detected
Protease	<0.005 Units/mL
Sodium Azide	0.8 – 1.0%

Benefits

- High purity. Low interference, low background
- Virtually no protease activity thereby ensuring assay integrity

- Fully traceable
- Closed loop manufacturing to minimise contamination and maximise reproducibility
- Superior filterability for ease of use
- Manufactured from USDA inspected bovine plasma
- Manufactured according to FDA cGMP guidelines
- USDA/APHIS Registered
- Health certification

Product Information

Product Code	Product Description	Pack Size
BSA-68060-1L	BSA Ultra-High Monomer Standard Grade 30% Solution with sodium azide	1 Litre
BSA-68060-10L	BSA Ultra-High Monomer Standard Grade 30% Solution with sodium azide	10 Litres

Storage and shelf life

Product should be stored in a cool, dry environment for up to three years. The product is stable for up to 3 years, following requalification.

Additional Information

CAS number: 9048-46-8

Support

Life Science Production is a division of Life Science Group Ltd.
Life Science Production is [ISIA Traceability Certified](#)
Life Science Group Ltd is an ISO 9001:2015 Certified company

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