CAPRICORN SCIENTIFIC

Bovine Serum Albumin

Purity You Can Trust. Stability You Depend On.

In cell culture, molecular biology, and protein biochemistry, reproducibility and stability are key. Many workflows rely on additives that must be pure, stable, and non-interfering to ensure reliable outcomes. Low-quality proteins can cause background noise, reduced enzyme specificity, and compromised cell viability.

Capricorn Scientific's Bovine Serum Albumin (BSA) is a high-purity, versatile protein additive designed to meet the demands of modern life science research. With excellent solubility, high stability, and strong binding affinity, our BSA optimizes assay performance, supports cell growth, and protects sensitive biomolecules.

APPLICATION AREA	HOW BSA CHANGES THE GAME
Molecular Biology	**Reducing Unspecific Binding** » Increases substrate specificity of enzymes & antibodies by blocking non specific binding
Protein Biochemistry	**Increasing Stability** » Improves solubility & maintain protein stability; used as protein standard
Cell Culture	**Enhancing Viability** » Serves as a nutrient in cell culture; stabilizes growth factors; provides buffering capacity

AVAILABLE IN THREE PRODUCT VARIANTS:

Standard Grade

Protease-Free

Fatty Acid-Free

At Capricorn Scientific, we focus on making your laboratory work easier and more efficient. Our BSA is distinguished by the highest standards of purity, performance, and consistency – available in three different variants:

BSA STANDARD GRADE

Ideal for general laboratory and cell culture use, as blocking reagent in immunoassays or stabilizer in critical *in vitro* workflows.

PRODUCT	VOL.	CAT.NO.
Bovine Serum Albumin Standard Grade	500 g	**BSA-1T**
	100 g	**BSA-1S**
	50 g	**BSA-1U**

BSA FATTY ACID-FREE

Suitable for hormone-sensitive assays, receptor binding studies, and cell culture systems where free fatty acids could interfere with signaling or metabolism.

PRODUCT	VOL.	CAT.NO.
Bovine Serum Albumin Fatty Acid-Free	100 g	**BSA-FAF-1S**
	50 g	**BSA-FAF-1U**

BSA PROTEASE-FREE

Recommended for applications where proteolytic degradation could affect results, such as long-term enzyme storage, supplementation of cell cultures, or sensitive protein assays.

PRODUCT	VOL.	CAT.NO.
Bovine Serum Albumin Protease-Free	100 g	**BSA-PF-1S**
	50 g	**BSA-PF-1U**

WHY OUR BSA PRODUCTS?

- **High purity (typically >99%) due to production via heat shock fractionation**
- **High batch-to-batch consistency & minimization of non-specific binding**
- **Supporting high cell viability and proliferation even in serum-free cultures**

SCAN FOR MORE INFORMATION

For further support, feel free to contact our experts at ***techservice@capricorn-scientific.com*** *or phone (****+49 6424 944 64 0****).*

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