

UltraPure™ BSA Non-Acetylated

Catalog Numbers AM2616, AM2618

Pub. No. MAN0018486 Rev. A.0

 **WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from thermofisher.com/support.

Product description

UltraPure™ Non-Acetylated BSA can be used safely in most applications that require BSA, especially when DNA or RNA integrity is critical. It is tested for DNase, RNase, endonuclease, protease, peroxidase, and alkaline phosphatase activity. It is assayed for fluorescence background. The high level of purity is achieved using chromatographic purification of native BSA rather than chemical modification with acetic anhydride.

The BSA preparations are acetylated to inactivate contaminating nucleases, particularly RNase. However, acetylation also modifies the BSA. While acetylated BSA functions in restriction digestion reactions, the acetylation process changes the binding characteristics of BSA as a blocking agent.

Contents and storage

Contents	Catalog No.	Amount	Storage conditions
UltraPure™ BSA, Non-Acetylated, 50 mg/mL	AM2616	50 mg	Store at -20°C.
	AM2618	5 × 50 mg	<i>Do not store in a frost-free freezer.</i>

Product specifications

Source:	Bovine serum of USA origin collected at USDA licensed and inspected abattoirs.
Molecular weight:	68 kD
Storage buffer:	20 mM phosphate buffer, pH 6.8 (<i>not included</i>).
Usage:	<ul style="list-style-type: none"> Used as a carrier protein and stabilizing agent in enzymatic reactions (added at 50–150 µg/mL to enzymatic reactions). Used as a blocking agent for Southern, northern, western, and dot blot hybridization. Used to enhance enzyme activity in some restriction enzyme digestion reactions.

Limited product warranty

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