

PRODUCT INFORMATION

Bovine Serum Albumin (BSA), molecular biology grade

Pub. No. MAN0011930

Rev. Date 22 September 2017 (Rev. C.00)

#B14

Assembling Lot 00000000

Filling Lot 00000000

Expiry Date MM.YYYY

Store at -20 °C

Components	#B14
Bovine Serum Albumin (BSA), molecular biology grade, 20 mg/mL	5 mg

Description

Bovine Serum Albumin (BSA) is used for stabilization of enzymes during storage and for enzymatic reactions where the absence of nucleases is essential. BSA increases PCR yields from low purity templates. It also prevents adhesion of enzymes to the reaction tubes and tip surfaces.

Features

- Non-modified (non-acetylated).
- V-fraction.

Applications

- Enzyme stabilization.
- PCR with low purity templates.
- DNA digestion with restriction endonucleases.

Molecular Weight

The protein is supplied in 66 kDa.

Storage Buffer

10 mM Tris-HCl (pH 7.4 at 25 °C), 100 mM KCl,
1 mM EDTA and 50 % (v/v) glycerol.

CERTIFICATE OF ANALYSIS

Endodeoxyribonuclease Assay

No detectable degradation was observed after incubation of supercoiled plasmid DNA with BSA.

Ribonuclease Assay

No detectable degradation was observed after incubation of [³H]-RNA with BSA.

Protease Assay

No detectable degradation of protease substrate after incubation of FTC-casein with BSA.

Labeled Oligonucleotide (LO) Assay

No detectable degradation of single-stranded or double-stranded radiolabeled oligonucleotides after incubation with BSA.

Functional Assay

Functionally tested in PCR with *Pfu* DNA polymerase.

Quality authorized by:



Jurgita Zilinskiene

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