

BSA (Bovine Serum Albumin; 10 mg/ml)

Description:

Bovine Serum Albumin (BSA) is supplied with some restriction enzymes to prevent adhesion of the enzyme to reaction tubes and pipette surfaces.
BSA also stabilizes some proteins during incubation.

Concentration: 10 mg / ml

Storage Buffer: 20 mM KPO₄, 50 mM NaCl, 0.1 mM EDTA, 5% Glycerol, pH 7.0 @ 25°C

Storage condition: -20°C

Shipment: with blue ice

16-Hour Incubation:

A 50 µl reaction containing 1 µg of FX174 DNA (HaeIII digested) and 50 µg of BSA incubated for 16 hours at 37°C resulted in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.

RNase Assay:

Incubation of 50 µg of BSA with 1 µg RNA Ladder for 1 hour at 37°C in 50 µl assay buffer [70 mM Tris-HCl, 10 mM MgCl₂, 5 mM DTT, (pH 7.6, 25°C)] followed by agarose gel electrophoresis resulted in no detectable RNA degradation.

Endonuclease Assay:

Incubation of 50 µg of BSA with 1 µg FX174 RF I DNA for 4 hours at 37°C in 50 µl of 1X Reactionbuffer 2 resulted in < 10% conversion to RF II.

Ordering information:

Cat.-no	Description	Amount
209-001	BSA Bovine Serum Albumin	1,5 ml
209-005	BSA Bovine Serum Albumin	4 x 1,5 ml