

Recombinant Bovine Serum Albumin (rBSA)

PROTEINS AND BLOCKING AGENTS

Dried, expressed in yeast

Cat. No. 6500

Product Characteristics

Recombinant Bovine Serum Albumin (rBSA) expressed in yeast is an animal-free version of traditional Bovine Serum Albumin (BSA). rBSA is free from prokaryotic DNA contaminants and provides a highly consistent, animal-free albumin solution designed for improved reproducibility and reliable assay performance. The product is intended as a reagent to be used in immunoassays (e.g., ELISA, CLIA, Western blot, lateral flow, bead based assays and immunohistochemistry assays). Due to the very active nature of the product, rBSA can be utilized in much lower amounts than traditional BSA.

Composition & Properties

Powder format. Dried version of liquid rBSA.

Protein content:	> 80% w/w
Weight purity:	> 90%
Spectroscopic purity UV-Vis:	0.55 – 0.90
Moisture content:	< 10%

Working Procedure

1. Reconstitute the protein by adding 10 mL of a suitable buffer, such as PBS buffer, to obtain a final concentration of 100 mg/mL (10% w/v).
2. Mix carefully by gentle pipetting until the powder is fully dissolved.
3. Keep the reconstituted solution on ice and divide it into appropriately sized aliquots to minimize repeated freeze-thaw cycles.
4. Store the aliquots at -15 °C to -25 °C.

Tips & Tricks

- Most assays require dilutions between 1:20 and 1:100, corresponding to a final concentration of 0.05–0.01% rBSA.
- If required, optimize the rBSA concentration by performing serial dilutions until the desired assay performance is obtained.
- In order to avoid multiple freeze/thaw cycles, store in multiple aliquots.

Handling & Storage

- Store solution at 15-30 °C, protected from moisture.
- After reconstitution, the shelf life is 12 months if stored from -15 °C to -25 °C.

Our immunoassay solutions are environmentally conscious, creating a safer work environment while helping our customers fulfill significant regulatory requirements.

We call it ECO-TEK!



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