

Product Name

Name: EastBumin™ Recombinant Human Albumin (dry powder)

Cat. No.: C6520-0001, C6520-0005, C6520-0100

Size: 1 g, 5 g, 100 g

Product Description

Human serum albumin, the most abundant protein in human plasma, acts as a transporter of hormones, lipids, and other substances. Its main physiological function is to regulate plasma pH and maintain plasma osmotic pressure. Recombinant human albumin does not contain any animal-derived components, thus avoids the risk of blood-borne virus infection, and has higher stability and safety. This product was expressed in *Pichia pastoris*, and suitable for the growth of many cell types, such as mesenchymal stem cells, embryonic stem cells, induced pluripotent stem cells, and immune cells.

The main features of the product include:

1. White powder
2. Clear and colorless (After dissolving in PBS)
3. High purity
4. Low endotoxin
5. Molecular weight: 66.5 kD±6.7 kD
6. GMP grade

Storage and Stability

The product should be kept at **2 - 8°C**.

Stay away from the light and dry environment. Use before the expiry date.

Shelf life: 24 months

Procedure

1. It is recommended to use sterile PBS solution to dissolve the dry powder of recombinant human albumin to no more than 200 mg/mL. Use other solvents to dilute and split (Tips: It is recommended to add dry powder of recombinant human albumin to sterile PBS solution by low intensity and high frequency. In order to dissolve well, please stir the liquid while adding the dry powder.
2. After thorough dissolution, it can be stored for 6 - 12 months in 2 - 8°C though 0.22 µm sterile filtration. After opening, please use as soon as possible to avoid contamination.

Attention

1. For your safety, please wear a lab coat and wear disposable gloves to operate.
2. If there is clumping or insufficient dissolution in the melting process, please vortex oscillation by low speed.
3. If there is turbidity after dissolution, the reason may be that the dissolution concentration too high, and



it can be placed in a 37°C water bath or incubator to dissolve. Please prepare the appropriate reservoir concentration for downstream application according to the actual research needs.

Quality Control

Recombinant Human Albumin is tested for pH, osmolality, and endotoxin concentration.

Issue Date

June 2023

Precaution and Disclaimer

For research use only, not for clinical diagnosis, and treatment.

