Datasheet

Human Serum Albumin

HSA, Premium Grade, US Origin

Product	Description	Catalogue-No.	Size
Human Serum Albumin 20% Solution	**Human serum albumin, HSA, 20% solution, Premium Grade, US Origin**	**P06-27020 P06-27100**	**20ml 100 ml**

Product description

Albumins are monomeric proteins found in body fluids and tissues. Human serum albumin (HSA) is the most abundant protein in human blood plasma with a molecular weight of about 66.5 kDa. The major biological function of albumin is to regulate the colloidal osmotic blood pressure. In addition, albumin acts as carrier protein for hormones, fatty acids and other compounds, and buffers pH. The reference range for albumin concentration in serum is approximately 35-50 g/L.

Storage conditions

Storage: -20 °C
Stability: two years from date of production
Filling: 20ml, 100ml, other sizes on request

Composition

Human serum albumin 20% is a non-preservered solution (200 g/L) prepared from lyophilized powder.

Application and characteristics

Due to free hydrophobic regions albumins are used to solubilize lipids and stabilize other proteins such as e.g. growth factors in tissue culture applications. They are also used as blocking agents in Western blots or ELISA applications and as a protein standard. Albumin has a low molecular weight, is easily soluble in water (50 mg/ml), and contains an excess of acidic amino acids. .

- Used as serum substitute in serum-free, xeno-free cell culture
- Medium component for cryopreservation and stem cell culture
- Stabilizer protein for pharmaceutical and biotech products
- Reduces unspecific binding in molecular biology assays
- Manufactured per US and European Pharmacopeia specifications
- Strict donor selection and screening

Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.

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