

Datasheet**Insulin human rec.****Cell Culture Supplement**

Product	Description	Catalogue-No.	Size
Insulin human rec.	Powder	P-2701002	25 mg
		P-2701001	250 mg
		P-2701000	1 g
		P-2750000	50 g
		P07-04200	100 mg

Product description

Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver.

Insulin human rec. produced in *Escherichia coli* is a two chain, non-glycosylated polypeptide chain containing 51 amino acids and having a molecular mass of 5808 Dalton. Insulin human rec. is purified by proprietary chromatographic techniques.

Solubility and Storage conditions

Storage: -20°C

Stability: 2 years from date of production

Size: 25 mg, 100 mg, 250 mg, 1 g, 50 g, other sizes on request

It is recommended to solve the Insulin human rec. in sterile 0.005 N HCl not more than 1mg/ml.

Insulin human rec. although stable at room temperature for 3 weeks, should be stored desiccated below -18 °C. Upon reconstitution Insulin human rec. should be stored at 2-8°C for up to 7 days and for future use below -18°C.

Composition

The biological activity is not less than 27.5 units per mg.

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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