

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

Product	Description	Catalogue-No.	Size
Insulin human rec.	Powder	P-2701002 P-2701001	25 mg 250 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 yeast *Hansenula polymorpha* is a two chain, non-glycosylated polypeptide chain containing 51 amino acids and having a molecular mass of 5807 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, 250 mg, other sizes on request

It is recommended to solve the Insulin human rec. in sterile 0.005N 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](mailto:info@pan-biotech.com)) or phone +49-8543-601630.

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