



Insulin Human, E. coli Recombinant

Product Data Sheet

Cat. No.:	RP1762700025	RP1762700250	RP1762701000
	25 mg	250mg	1g

Introduction:

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.

Description:

Insulin Human Recombinant produced in E. coli is a two chain, non-glycosylated polypeptide chain containing 51 amino acids and having a molecular mass of 5807 Dalton. Insulin is purified by proprietary chromatographic techniques.

Source:

Escherichia coli.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

The recombinant human insulin was lyophilized from a concentrated (1 mg/ml) solution with no additives.

Solubility:

It is recommended to reconstitute the lyophilized Insulin in sterile 0.005N HCl to not more than 1 mg/ml.

Stability:

Lyophilized Insulin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Insulin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Purity:

Greater than 98.0% as determined by RP-HPLC analysis

Biological Activity:

28 units/mg.

Usage:

BioVendor's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.