Product Data Sheet

Product Name: Insulin solution Human
Cat. No.: GP29069
Batch No.: 1

Product Data

Purity	Greater than 98.0% as determined by RP-HPLC analysis.	Source	Escherichia Coli.
Phycical Appearance	A solution	Shipping Condition	Store at -20°C, protect from light
Formulation	The protein is dissolved in dilute hydrochloric acid of pH3.		

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.

Biological Activity

The Biological Activity was determined to be 28 units/mg.

Stability

Freeze dried insulin is recommended to be used within 6 months when stored at 2-8 ℃, and within 1 year when stored at -20 ℃. It is recommended to store the insulin solution after reconstitution at 2-8 ℃ and not freeze it. It should be used up within 1-2 months. If the insulin solution shows clumping, crystallization, or viscosity, it indicates that it has failed and is not recommended to continue using.

Background

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.

[illegible] 51 [illegible] 5807 [illegible]

Caution: Product has not been fully validated for medical applications. For research use only.
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