

Recombinant Human Insulin

ORDERING INFORMATION

Catalog Number	Size
20801P-25	25mg
20801P-250	250mg
20801P-1000	1000mg

DESCRIPTION

Recombinant Human Insulin, produced in *E. coli*, is a two chain, non-glycosylated polypeptide containing 51 amino acids with a molecular mass of 5,807 Daltons. It is purified by proprietary chromatographic procedures.

SPECIFICATION SUMMARY

Source: *Escherichia coli*

Physical Appearance: White lyophilized powder.

Formulation: Sterile-filtered, lyophilized from a 1mg/ml solution with no additives.

Solubility: Reconstitute in sterile 0.005N HCl to a concentration of no more than 1mg/ml.

Stability: Lyophilized Insulin is stable at room temperature for 3 weeks, but it is recommended that it is stored desiccated at -20°C. After reconstitution, it can be stored at 4°C for 2-7 days but should be stored below -20°C after that. For long-term storage of reconstituted Insulin, it is recommended that a carrier protein (such as 0.1% HSA or BSA) is added.

Purity: Greater than 98% by RP-HPLC and SDS-PAGE.

Biological Activity: 28U/mg.