

## Recombinant Human Insulin

### ORDERING INFORMATION

Catalog Number	Size
20801P	25mg
20801P	250mg
20801P	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.