

QED Bioscience Inc.

ADVANCED ANTIBODY TECHNOLOGIES

Recombinant Human Insulin

ORDERING INFORMATION

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

Format: Sterile filtered, lyophilized.

Purification: Chromatographic

DESCRIPTION

Recombinant Human Insulin produced in *E. coli* is a two chain, non-glycosylated polypeptide chain containing 51 amino acids with a molecular mass of 5,807 daltons. This product has full biological activity. Provided as a lyophilized powder.

SPECIFICATION SUMMARY

Source: *Escherichia coli*

Stabilizers: None

Preservatives: None

Purity: Greater than 98% by RP-HPLC, anion-exchange chromatography; reducing and non-reducing SDS-PAGE, silver stain.

Dimers/Aggregates: <1% by SDS-PAGE

Biological Activity: Fully biologically active compared to WHO reference standard at 28 units/mg.

Endotoxin: <0.1 ng/ug

Protein Content: Determined spectrophotometrically at 280nm, and by RP-HPLC analysis against a calibrated insulin standard.

SOLUBILITY

Reconstitute the lyophilized rHuInsulin in sterile water not less than 100 ug/ml.

STORAGE AND STABILITY

Lyophilized rHuInsulin is stable at room temperature for 3 weeks. Store lyophilized product at -20°C. Upon reconstitution, store at 4°C for 2-7 days or aliquot and store at -20°C. For long term storage add either HSA or BSA to 0.1%. Avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.