

★ Storage

Store at RT lyophilized for 3 weeks.
Upon reconstitution stored at 4 °C between 2-7 days.
For long term storage stored at -20°C. Prevent freeze-thaw cycles.

✦ Contents

- Product Manual
- Insulin, Human Recombinant, Cell Culture Tested

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★ Introduction

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 protein was lyophilized from a concentrated (1mg/ml) solution with no additives.

★ Solubility

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

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

★ Related Products

Product Name	Cat No
DMEM, High Glucose, without Sod Bicarbonate	CM001
DMEM, High Glucose, with Sod Bicarbonate	CM002
MEM with Earle's salt	CM041
RPMI-1640 with HEPES	CM058
RPMI-1640	CM059
Trypsin-EDTA(1X)	CA014
Trypsin-EDTA(10X)	CA015
Scrptase, Non-Animal Origin Dissociation Solution(1X)	CA110
Dispase Solution, 1mg/ml	CA092
Collagenase/Hyaluronidase(10X) in DMEM	CA094
Antibiotics-Antimycotics(100X)	CA002
Penicillin-Streptomycin(100X)	CA005
Dulbecco's Phosphate-Buffered Saline(DPBS)(1X)	CA008
Cellmaxin, 10mg/ml	C3314
Cellmaxin Plus, 10.5mg/ml	C3319
Ceracryo, Xeno-Free Cell Freezing Mediu	C0667
Water, 0.1um Filtered, Cell Culture Tested	W0900