

## ★ 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, From Yeast

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## ★ Introduction

Insulin Human Recombinant produced in yeast 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 technique.

## ★ Source

Yeast

## ★ Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

## ★ Formulation

The protein was lyophilized from a concentrated 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  |