

Active Recombinant Human Insulin

Cat. No. Insulin -53H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Form	Sterile filtered white lyophilized (freeze-dried) powder. Recombinant Human Insulin was lyophilized from a concentrated (1 mg/mL) solution with no additives. Recombinant Human Insulin is purified by proprietary chromatographic techniques. Less than 1% dimers and aggregates as determined by silver-stained SDS-PAGE gel analysis.
Bio-activity	Recombinant Human Insulin is fully biologically active when compared to WHO reference standard which is 28 units/mg.
Endotoxin	Less than 0.1 ng/μg (IEU/μg) of Recombinant Human Insulin.
Purity	Greater than 98.0% as determined by: a. Analysis by RP-HPLC b. Anion-exchange FPLC c. Analysis by reducing and non-reducing SDS-Page Silver-Stained gel. Protein content was determined by two independent methods: UV spectroscopy at 280 nm and Analysis by RP-HPLC, using a calibrated solution of Insulin as a reference standard.
Usage	For research use only. Not for use in diagnostics or in humans.
Storage	Recombinant Human Insulin, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution, Recombinant Human

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Insulin should be stored at 4°C for between 2 – 7 days and below -18°C for storage longer than 7 days. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Aliquot to avoid freeze-thaw cycles.

Warning

No warranties, expressed or implied, are made regarding the use of this product. Creative Biomart is not liable for any damage, personal injury, or economic loss caused by this product.

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