
Recombinant Human Insulin Solution, 10mg/ml

Sterile filtered

Product Code: TCL035

Product Description :

Molecular Weight: 5.802kDa

Molecular Formula: $C_{257}H_{383}N_{65}O_{77}S_6$

CAS No.: 11061-68-0

Insulin, a two-chain polypeptide of approximately 5802 Daltons, is produced by β -cells of the islets of Langerhans of the pancreas. It consists of two chains, α and β , joined by two interchain disulfide bonds. It has a profound effect in the metabolism of carbohydrates, fats and proteins, and inhibits the breakdown of glycogen, protein and fat.

In cell culture, insulin has been considered as a key factor in the growth regulation and differentiation of cells, and hence it is often included as a media supplement. It also aids as a survival promoting factor in cell culture media. Recombinant human insulin is commonly used as an additive in serum-free media.

TCL035 is sterile filtered recombinant human insulin solution formulated to contain 10mg recombinant human insulin per ml.

Storage and Shelf Life:

Store at 2 - 8°C away from bright light.

Shelf life is 18 months.

Use before expiry date given on the product label.

Quality Control:

Appearance

Colourless, clear solution.

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification (Direct inoculation).

Performance Test

Complies

Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ Publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.