

Insulin human recombinant Solution (5 mg/ml)

General information

Two-chain polypeptide hormone produced by the β -cells of pancreatic islets. Its molecular weight is ~5800 Da. The α and β chains are joined by two interchain disulfide bonds. The α chain contains an intrachain disulfide bond. Insulin regulates the cellular uptake, utilization, and storage of glucose, amino acids, and fatty acids and inhibits the breakdown of glycogen, protein, and fat.

This chemically defined solution is suitable for cell culture. The human insulin was expressed in *Saccharomyces cerevisiae*.

Product specifications

Appearance	Clear solution
Recommended concentration for media systems	5 mg/l
Storage and shelf life	Store at +2 °C – +8 °C protected from light. Once opened store at 4 °C and use within 2-4 weeks.
Shipping conditions	Ambient

Applications

- Additional component for cell culture media
- Applicable for batch, fed-batch & perfusion culture addition

Formulation

Component	Concentration mg/l
Insulin	5000.00

Precautions and disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Ordering information

Catalogue number	Pack size
HRINS5ML	5 ml

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