



Insulin Solution (10 mg/ml)

Cat. No. TM053

Store at -20°C.

Product Description

Insulin is a key component in many cell culture media formulations, playing a vital role in supporting cell growth and survival. It enhances the uptake of glucose and amino acids, promotes lipogenesis, facilitates intracellular transport, and stimulates the synthesis of proteins and nucleic acids. Additionally, insulin exhibits anti-apoptotic properties, helping to maintain cell viability during culture.

Structurally, insulin consists of two polypeptide chains (α and β) linked by disulfide bonds between cysteine residues, with a molecular weight of approximately 5,800 Da. It is naturally produced by β -cells in the pancreatic islets.

abm's insulin solution is bovine-derived and optimized for use in a wide range of cell culture applications.

Cat. No.	Product	Quantity
TM053	Insulin Solution (10 mg/ml)	1.0 ml

Recommendations

For cell culture applications use from 0.5 ml up to 1.0 ml per liter of medium.

General Notes

- **Handling:** Avoid repeated freeze-thaw cycles to maintain stability and activity.