中科迈晨

PRODUCT DATASHEET

Insulin

Cell Culture Reagents-Growth Supplements

Catalog Number: CC101

Description: Two-chain polypeptide hormone is produced by the beta-cells of pancreatic islets. It contains 51 amino acids and the molecular weight is ~5800 Dalton. The alpha and beta-chains are joined by two interchain disulfide bonds. The alpha 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. Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids and accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver.

Molecular Formula: $C_{254}H_{377}N_{65}O_{75}S_6$

Molecular Weight: 5733.49

CAS Number: 11070-73-8

Formulation: 5mg/mL in 0.1M hydrochloric acid

Stablility: Minimal 3 years at -20°C

Suitability: Cell culture tested

Potency: ≥25 USP units per mg

Size:

Catalog Number	*Concentration*	*Pack Size*
CC101-5MG	5mg/mL	1 mL
CC101-50MG	5mg/mL	10X 1mL