

Insulin Porcine

Item Number rAP-2314

Synonyms

Description Insulin Porcine is a two chain, glycosylated polypeptide chain containing 51 amino acids and having a molecular mass of 5777 Dalton. The a and b chains are joined by two interchain disulfide bonds. The a chain contains an intrachain disulfide bond. Insulin regulates the cellular uptake, utilization,

Uniprot Accesion Number P01315

Amino Acid Sequence

Source Porcine Pancreas.

Physical Appearance and Stability Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Insulin Porcine although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Insulin Pig should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Formulation and Purity The Insulin Porcine was lyophilized from a concentrated (1mg/ml) solution with no additives. Greater than 97.0% as determined by SEC-HPLC.

Application

Solubility It is recommended to reconstitute the lyophilized Insulin Porcine in sterile 0.005N HCl.

Biological Activity >27 units/mg.

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**