ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat # RP-1507 Glucagon **Size**: 4 mg

Glucagon is an important hormone involved in carbohydrate metabolism. The hormone is synthesized and secreted from alpha cells (?-cells) of the islets of Langerhans, which are in the endocrine portion of the pancreas. Glucagon is released when the glucose level in the blood is low (hypoglycemia), causing the liver to convert stored glycogen into glucose and release it into the bloodstream. The action of glucagon is thus opposite to that of insulin, which instructs the body's cells to take in glucose from the blood in times of satiation.

SOURCE: Glucagon Human Synthetic peptide is a single, non-glycosylated, polypeptide chain containing 29 amino acids and having a molecular mass of 3483 Dalton. Glucagon peptide was formulated with no additives.

APPLICATION AND SUGGESTED DILUTIONS: Greater than 98.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

STORAGE & STABILITY: It is recommended to reconstitute the lyophilized Glucagon in a sterile 1% HCl solution at a concentration of 0.1-1 mg/ml, which can then be further diluted to other aqueous solutions. Glucagon although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Glucagon 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).

USAGE: This item is for LABORATORY RESEARCH USE ONLY.

RP-1507 120507P

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