ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat # RP-1517 | Pramlintide | **Size**: 1 mg

Pramlintide acetate is a hormonethat is released into the bloodstream, in a similar pattern as insulin. Pramlintide aids in the absorption of glucoseby slowing gastric emptying, promoting satiety, and inhibiting inappropriate secretion of glucagon, a catabolic hormone that opposes the effects of insulin.

Source: Pramlintide Synthetic is a single, non-glycosylated polypeptide chain containing 37 amino acids, having a molecular mass of 3949.4 Dalton and a Molecular formula of $C_{171}H_{267}N_{51}O_{53}S_2$. The protein was lyophilized with no additives.

Application and Suggested Dilution: It is recommended to reconstitute the lyophilized Pramlintide in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Users must optimize concentration and conditions for each assay.

Storage and Stability: Lyophilized Pramlintide although stable at room temperature for 3 weeks, should be stored desiccated below -18℃. Upon reconstitution Pramlintide should be stored at 4℃ between 2-7 days and for future use below -18℃. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please prevent freeze-thaw cycles.** If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4ºC for ~1 week or aliquots in suitable size and store at -20ºC for long term storage.

Usage: This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

RP-1517 120507P

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