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Product Data Sheet

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Cat # RP-1493

Human Octreotide

**Size:** 1 mg

Octreotide acetate is a longer acting synthetic octapeptide analog of naturally occurring somatostatin. It inhibits the secretion of gastro-entero-pancreatic peptide hormones and the release of growth hormone.

**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.

**Source:** Octreotide Human Synthetic is a single, non-glycosylated, polypeptide chain containing 8 amino acids, having a molecular mass of 1019.26 Dalton and a molecular formula of  $C_{49}H_{66}N_{10}O_{10}S_2$ . Octreotide is purified by proprietary chromatographic techniques. The Octreotide was lyophilized from a concentrated (1 mg/ml) solution with no additives.

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**Application and Suggested Dilution:** It is recommended to reconstitute the lyophilized Octreotide in sterile 18M $\Omega$ -cm H<sub>2</sub>O not less than 100  $\mu$ g/ml, which can then be further diluted to other aqueous solutions. Greater than 98.0% as determined by RP-HPLC. Users must optimize concentration and conditions for each assay.

**Storage and Stability:** Lyophilized Octreotide although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Octreotide 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.** If supplied in powder then reconstitute it in 100  $\mu$ l water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.