

32-2057: Oxytocin

Alternative Name : OT,OXT,OT-NPI,Neurophysin 1,MGC126890,MGC126892.

Description

Source : Oxytocin Human Synthetic is a single, non-glycosylated, polypeptide chain containing 9 amino acids and having a molecular mass of 1007.2 Dalton. Oxytocin has a molecular formula of C₄₃H₆₆N₁₂O₁₂S₂. The OT is purified by proprietary chromatographic techniques. Human Oxytocin stimulates uterine smooth muscle contractions indirectly and stimulates the mammary glands to increase lactation without increasing the production of milk.

Product Info

Amount :	25 mg
Purification :	Greater than 99.0% as determined by RP-HPLC.
Content :	The Oxytocin was lyophilized from a concentrated (1 mg/ml) solution with no additives.
Storage condition :	Lyophilized Oxytocin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Neurophysin 1 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.
Amino Acid :	Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH ₂ .

Application Note

It is recommended to reconstitute the lyophilized Oxytocin in sterile 18MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.