

## 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 C<sub>43</sub>H<sub>66</sub>N<sub>12</sub>O<sub>12</sub>S<sub>2</sub>. 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

<b>Amount :</b>	25 mg
<b>Purification :</b>	Greater than 99.0% as determined by RP-HPLC.
<b>Content :</b>	The Oxytocin was lyophilized from a concentrated (1 mg/ml) solution with no additives.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH <sub>2</sub> .

### Application Note

It is recommended to reconstitute the lyophilized Oxytocin in sterile 18MΩ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

