9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# OT Human

*Oxytocin Human*
*HRM0078*

## Product Overview

| | |
|---|---|
| Name | OT Human |
| **Description** | |
| Oxytocin Human | |
| Accession (Primary) | P01178 |
| **Synonyms** | |
| OT, OXT, OT-NPI, Neurophysin 1, MGC126890, MGC126892. | |
| **Introduction** | |
| Human Oxytocin stimulates uterine smooth muscle contractions indirectly and stimulates the mammary glands to increase lactation without increasing the production of milk. | |
| **Physical Appearance** | |
| Sterile Filtered White lyophilized (freeze-dried) powder. | |
| **Formulation** | |
| The Oxytocin was lyophilized from a concentrated (1mg/ml) solution with no additives. | |
| **Stability** | |
| 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. | |
| **Purity** | |
| Greater than 98.0% as determined by RP-HPLC. | |
| **Amino acid sequence** | |
| H-Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH2. | |
| **Solubility** | |
| 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. | |
| **Precautions** | |
| OT Human is for research use only and not for use in diagnostic or therapeutic procedures. | |

## Target Information: ( P01178 )

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