
Product Data Sheet

Product Name: OT Human
Cat. No.: GP21282
Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	OT; OXT; OT-NPI; Neurophysin 1; MGC126890; MGC126892.		
Amino Acid Sequence	Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH ₂ .		
Solubility	It is recommended to reconstitute the lyophilized Oxytocin in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The Oxytocin was lyophilized from a concentrated (1mg/ml) solution with no additives.		

Introduction

Human Oxytocin stimulates uterine smooth muscle contractions indirectly and stimulates the mammary glands to increase lactation without increasing the production of milk.

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA