



SUGGESTED FORMULA

Oxytocin 5-Units/0.1mL Nasal Spray, preserved

Version number: 1.0

Volume: 30 mL

Oxytocin, USP (O1360)	[0.542-U/mL] 2.802gm*
Glycerin, USP (G1016)	0.6mL
Water, Preserved	Q.S. 30mL

Note:

An Oxytocin aliquot utilizing purified water as the diluent must be prepared (0.542-units/mg) prior to progression to the preparation of final formula. This diluent delivers 51-units of Oxytocin per mL or 5-units/0.1mg in the final preparation for delivery to the patient.

SUGGESTED COMPOUNDING PROCEDURES

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Accurately weigh and/or measure each ingredient.
3. Combine the glycerin with 10mL preserved water in calibrated beaker
4. Spin the aqueous mixture for 1 minute and then add the oxytocin aliquot
5. Spin the mixture of oxytocin aliquot and water until completely dissolved
6. Package in a nasal container and label.
7. Quality Assessments:
 - a. Weight to Volume calculation
 - b. Clarity
 - c. Color

Store in air tight containers

Store refrigerated

No claims are made as to the safety or efficacy of this preparation. This formulation is provided solely at the unsolicited request of the pharmacist.

Beyond-Use Dates of preparations are conservative estimates by the formulator using reference books, peer-reviewed literature, and intended duration of therapy, formulation from commercially available products, organoleptic observations and current USP guidelines. Compounders may have stability studies performed by a reputable laboratory if they wish to extend the Beyond-Use Date. It is recommended that you follow USP <795> recommendations for potency testing.

**Beyond-Use Date of 30 days can be used for this preparation when stored refrigerated per
CompoundingToday.com Formula # 2385**

Precautions:

Hazardous drugs should be handled according to USP <800>, NIOSH standards and pharmacy SOPs. This preparation should be compounded in a biological safety cabinet, compounding aseptic containment isolator or USP <800> compliant containment ventilated enclosure (CVE). Precautions should be taken to prevent cross-contamination and exposure of ingredients to the compounder and contamination of the preparation by the compounder. Wear appropriate personal protective equipment.

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