



BLUEPRINT LABS

Nasal Kit — Preparation Guide

RECONSTITUTION · ASSEMBLY · STORAGE

RESEARCH USE ONLY · NOT FOR HUMAN CONSUMPTION

IN YOUR KIT

- 1 × lyophilized peptide vial
- 1 × nasal spray bottle + pump
- This guide

YOU'LL ALSO NEED

- Blueprint Labs **Bacteriostatic Water** (sold separately)
- Alcohol prep pad
- Sterile syringe (for transfer)

1

Reconstitute

Wipe the vial stopper with an alcohol pad. Slowly inject your chosen volume of bacteriostatic water down the **inside wall** of the vial — never blast the powder. Swirl gently; **do not shake**. Let it sit until fully dissolved and clear.

2

Transfer to the bottle

Draw the solution back into the syringe (or pour carefully) and transfer it into the nasal spray bottle. Seat the pump assembly firmly.

3

Prime the pump

Point away from yourself and pump **3–5 times** until a fine, even mist appears. (Priming sprays use a little solution — factor that into your count.)

4

Label & store

Mark the bottle with the compound, concentration, and the date you reconstituted it.

SET YOUR CONCENTRATION

A standard nasal pump delivers **~0.1 mL (one spray)**. You choose the dilution — more bacteriostatic water means a lower amount per spray.

$$\mu\text{g per spray} = (\text{vial mg} \times 1000 \div \text{mL of bac water}) \times 0.1$$

Semax 30 mg	3 mL → 1000 µg/spray	10 mL → 300 µg/spray
MT-2 10 mg	5 mL → 200 µg/spray	10 mL → 100 µg/spray

For laboratory measurement only. Blueprint Labs does not provide dosing or usage directions.

STORAGE

Refrigerate the reconstituted bottle at **2–8 °C**, away from light. **Do not freeze**. Keep the unopened lyophilized vial refrigerated until use.

STERILITY

Use a sterile syringe. Don't touch the nasal tip to any surface. One bottle per use-case. **Discard if cloudy, discolored, or past your stability window.**

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