

RECONSTITUTION & DOSING REFERENCE GUIDE

This reference sheet details the volumetric breakdown and exact milligram yields for an **80mg KLOW blend vial** reconstituted with **3mL of Bacteriostatic (BAC) Water**, configured specifically for a **5 days on, 2 days off** weekly schedule.

1. RECONSTITUTION & CONCENTRATION CALCULATION

When 3mL of liquid diluent is added to an 80mg lyophilized peptide mixture, the baseline fluid concentration is established as follows:

$$\text{Concentration} = 80\text{ mg} / 3\text{ mL} = 26.67\text{ mg/mL}$$

Mapped to a standard 1mL (100-unit) U-100 insulin syringe, the specific mathematical breakdowns per unit measurement are:

- **1.00 mL (100 Units)** = 26.67 mg of peptide blend
- **0.10 mL (10 Units)** = 2.67 mg of peptide blend
- **0.01 mL (1 Unit)** = 0.267 mg of peptide blend

2. DAILY PROTOCOL BREAKDOWN (5 DAYS ON / 2 DAYS OFF)

The table below provides exact daily milligram yields, corresponding weekly cumulative tracking, and approximate vial lifespan metrics based on common syringe unit depths.

SYRINGE VOL. (UNITS)	LIQUID VOL. (ML)	DAILY DOSAGE (MG)	WEEKLY YIELD (5 DAYS)	VIAL LIFESPAN
10 Units	0.10 mL	2.67 mg	13.35 mg	Approx. 6 Weeks
15 Units	0.15 mL	4.00 mg	20.00 mg	Approx. 4 Weeks
20 Units	0.20 mL	5.33 mg	26.65 mg	Approx. 3 Weeks

HANDLING & STORAGE DIRECTIVES

Because multi-peptide blends are structurally delicate, introduce the bacteriostatic water slowly down the interior glass wall of the vial to minimize structural shear. Gently roll the vial horizontally between the palms until completely dissolved; do not shake. Store the reconstituted fluid strictly under refrigeration between 2°C and 8°C (36°F to 46°F).