RESEARCH USE ONLY · NOT FOR HUMAN OR VETERINARY CONSUMPTION · NOT FOR SELF-ADMINISTRATION

B&L BY & LARGE PEPTIDES

3ml research unit reference.

RESEARCH REFERENCE ONLY Research-reference tiers with arithmetic U100 conversions—not human-use or self-administration guidance.

01 FIXED 3ML PEN & SYRINGE UNIT LOOKUP

Assumes 3ml water unless noted (5-Amino-1MQ and AICAR use 2ml; Lipo C is ready to use) and a U100 device where 1 unit = 0.01ml. Confirm reusable-pen calibration against its manual.

PRODUCT Vial strength · water	SOLUTION Total mg/ml	BEGINNER Research amount · units	INTERMEDIATE Research amount · units	ADVANCED Research amount · units	RESEARCH-REFERENCE FREQUENCY Per administration unless stated otherwise
Reta 40mg vial	**13.33** mg/ml	2mg **15 units**	4–6mg **30–45 units**	8–12mg **60–90 units**	Once weekly, or split 2× weekly · 4-week escalation steps · any time of day
Reta 30mg vial	**10** mg/ml	2mg **20 units**	4–6mg **40–60 units**	8–12mg **80–120 units**	Once weekly, or split 2× weekly · 4-week escalation steps · any time of day
Tirzepatide 40mg vial	**13.33** mg/ml	2.5mg **18.75 units**	5–7.5mg **37.5–56.25 units**	10–15mg **75–112.5 units**	Once weekly, or split 2× weekly · 2.5mg steps every 4 weeks · any time of day
Tirzepatide 30mg vial	**10** mg/ml	2.5mg **25 units**	5–7.5mg **50–75 units**	10–15mg **100–150 units**	Once weekly, or split 2× weekly · 2.5mg steps every 4 weeks · any time of day
Wolverine Stack 20mg vial · 10mg + 10mg	**6.67** mg/ml total blend	250mcg total **3.75 units**	500mcg total **7.5 units**	1mg total **15 units**	Once daily · beginner 4 weeks; intermediate/advanced 4–6 weeks · morning. Advanced may instead use 500mcg (7.5 units) morning + evening
Epithalon 50mg vial	**16.67** mg/ml	5mg **30 units**	10mg **60 units**	10mg **60 units / admin**	Beginner/intermediate: 1× daily, morning · advanced: 2× daily, morning + evening · 10–20 day cycles, repeated every 3–6 months
Eloralintide 10mg vial	**3.33** mg/ml	1mg **30 units**	2.5mg **75 units**	5mg **150 units**	1× weekly · any time of day · long-acting amylin analogue; titrate gradually
5-Amino-1MQ 50 vial · 2ml water	**25** mg/ml	1mg **4 units**	2mg **8 units**	2mg **8 units / admin**	1× daily, morning (advanced 2× daily, morning + evening) · subq
AICAR 50mg vial · 2ml water	**25** mg/ml	10mg **40 units**	25mg **100 units**	50mg **200 units**	Daily or as per protocol · subq · 200 units requires two syringe fills
Selank 10mg vial	**3.33** mg/ml	250mcg **7.5 units**	500mcg **15 units**	1mg **30 units**	1× daily · morning · subq or intranasal
Semax 10mg vial	**3.33** mg/ml	200mcg **6 units**	300mcg **9 units**	500mcg **15 units**	1–2× daily · morning + early afternoon · subq or intranasal
Selank + Semax Spray kit · 20mg in 3ml	**6.67** mg/ml blend	1 spray / nostril **2 sprays**	1–2 sprays / nostril **2–4 sprays**	2–3 sprays / nostril **4–6 sprays**	Intranasal · beginner 1× daily; intermediate/advanced 2× daily, morning + early afternoon · ≈0.1ml (≈670mcg blend) per spray
Lipo C Fat Blaster 10ml ready-to-use	**No mixing** 300mg/ml L-carnitine	0.5ml **50 units**	1ml **100 units**	1ml **100 units**	Beginner/intermediate 1–2× weekly · advanced 2–3× weekly · morning · subq or IM

Split weekly: halve units per administration. Wolverine amounts are total blend; each component is half. Rounded values; powder displacement and device dead space not included.

RESEARCH & HANDLING NOTES

- All products are supplied strictly for laboratory research purposes—not human or veterinary consumption, diagnosis, treatment or self-administration.
- These are research-reference tiers, not validated human dosing or By & Large recommendations.
- Units are U100 volume equivalents only. Confirm the syringe and reusable pen are calibrated to 0.01ml per unit.
- Keep unopened lyophilised vials in a cool, dark place. Once reconstituted, store in the fridge at 2–8°C and use within 2 months.

SCIENTIFIC CONTEXT & REFERENCES

1. NEJM — Retatrutide for Obesity, phase 2 trial, 2023.
2. The Lancet — Eloralintide, selective amylin agonist, phase 2 trial, 2025.
3. Lilly — What to know about retatrutide, reviewed September 2026.
4. FDA — Mounjaro (tirzepatide) Prescribing Information.
5. PubMed — Injectable Peptide Therapy: A Primer for Orthopaedic and Sports Medicine Physicians.
6. PubMed — Epithalon peptide, telomerase activity and telomere elongation, 2003.
7. PubMed — Overview of Epitalon, pineal tetrapeptide research.

Research reference only. No statement here establishes safety, efficacy, a recommended dose or suitability for human use.

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