

Peptide Reconstitution Chart

Concentration for 2 to 80 mg vials mixed with 1, 2 or 3 mL of bacteriostatic water. Each cell shows the concentration and the amount of peptide in 10 units (0.1 mL) on a U-100 syringe.

VIAL SIZE	1 ML BAC WATER	2 ML BAC WATER	3 ML BAC WATER
2 mg	2 mg/mL 200 mcg per 10 units	1 mg/mL 100 mcg per 10 units	0.67 mg/mL 66.67 mcg per 10 units
5 mg	5 mg/mL 500 mcg per 10 units	2.5 mg/mL 250 mcg per 10 units	1.67 mg/mL 166.67 mcg per 10 units
10 mg	10 mg/mL 1,000 mcg per 10 units	5 mg/mL 500 mcg per 10 units	3.33 mg/mL 333.33 mcg per 10 units
15 mg	15 mg/mL 1,500 mcg per 10 units	7.5 mg/mL 750 mcg per 10 units	5 mg/mL 500 mcg per 10 units
20 mg	20 mg/mL 2,000 mcg per 10 units	10 mg/mL 1,000 mcg per 10 units	6.67 mg/mL 666.67 mcg per 10 units
30 mg	30 mg/mL 3,000 mcg per 10 units	15 mg/mL 1,500 mcg per 10 units	10 mg/mL 1,000 mcg per 10 units
40 mg	40 mg/mL 4,000 mcg per 10 units	20 mg/mL 2,000 mcg per 10 units	13.33 mg/mL 1,333.33 mcg per 10 units
50 mg	50 mg/mL 5,000 mcg per 10 units	25 mg/mL 2,500 mcg per 10 units	16.67 mg/mL 1,666.67 mcg per 10 units
60 mg	60 mg/mL 6,000 mcg per 10 units	30 mg/mL 3,000 mcg per 10 units	20 mg/mL 2,000 mcg per 10 units
80 mg	80 mg/mL 8,000 mcg per 10 units	40 mg/mL 4,000 mcg per 10 units	26.67 mg/mL 2,666.67 mcg per 10 units

Check that your vial can hold the volume you plan to add. Many small vials cannot take 3 mL.

SYRINGE UNITS AND VOLUME

DRAW VOLUME	U-100 SYRINGE	U-40 SYRINGE
0.05 mL	5 units	2 units
0.1 mL	10 units	4 units
0.2 mL	20 units	8 units
0.25 mL	25 units	10 units
0.5 mL	50 units	20 units
1 mL	100 units	40 units

The same volume reads differently on each syringe. Confirm the syringe type printed on the barrel.

THE MATH

Concentration (mcg/mL) = vial mg × 1,000 ÷ water mL

Draw volume (mL) = target mcg ÷ concentration

U-100 units = draw volume (mL) × 100

- 1 mg = 1,000 mcg.
- Syringe units are volume markings, not IU of peptide.
- Roll the vial gently. Do not shake it.