



GHK-CU 50 MG - VIAL

RESEARCH USE PROTOCOL

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|------------------|--|
| Reconstitution | Reconstitute by adding 4 mL of bacteriostatic water to the vial |
| Dosage | 3 times per week (Monday, Wednesday, Friday) Draw 20 units (2.5 mg) |
| Time of Day | AM or PM |
| Injection Type | Subcutaneous (abdomen, thigh, or upper arm) |
| Product Details | Concentration: 50 mg / 4 mL |
| Product Duration | One vial will last 6 weeks |
| Program Duration | 3 months; cycle 1 week off between each month |
| Storage | Store refrigerated at 2–8°C (36–46°F). Do not freeze. Protect from light. |

WHAT IS GHK-CU ?

GHK-Cu (Copper Tripeptide-1) is a naturally occurring copper-binding peptide studied for its role in cellular repair, tissue remodeling, and regenerative signaling pathways.

It is commonly explored in research related to skin regeneration, connective tissue support, and cellular renewal processes.

WHAT'S IN THE BOX?



HOW IT WORKS

MECHANISM OF ACTION

GHK-Cu is studied for its interaction with regenerative and repair-related pathways:

Supports collagen and elastin signaling pathways

Promotes cellular repair and remodeling processes

Associated with angiogenesis (formation of new blood vessels)

Supports inflammatory response modulation

Linked to antioxidant and regenerative signaling pathways

These mechanisms are associated with tissue regeneration and cellular repair processes.

RESEARCH OBSERVATIONS

Studied for skin regeneration pathways

Studied for connective tissue support

Studied for cellular repair processes

Studied for inflammatory response modulation

Studied for regenerative signaling activity





OBSERVED REACTIONS IN RESEARCH SETTINGS

Research observations have noted mild and temporary responses such as localized redness, irritation, or mild itching sensations. Responses may vary depending on protocol design and individual variability.

RESEARCH NOTES

In research settings, consistency in protocol design may influence observed outcomes. Factors such as dosing frequency, timing, and environmental conditions may impact response patterns. Individual variability should be considered when interpreting results.

IMPORTANT CONSIDERATIONS FOR RESEARCH USE

Not intended for human consumption or therapeutic use

Not suitable for use during pregnancy or breastfeeding

Not recommended for individuals with active medical conditions

Use in research settings may require professional oversight

Not for use alongside medical treatments without supervision

Individual variability may influence observed outcomes

EDUCATION · 04

Understanding skin reactions with **GHK-Cu**.

Some individuals may notice mild redness, itching, warmth, or a slight bluish-red discoloration at the injection site. This is a temporary, localized histamine response — generally harmless, and it tends to fade as your body grows familiar with the peptide. Many people never experience it at all.

Why this happens

GHK-Cu works closely with your skin and tissue to support repair and regeneration. When introduced beneath the skin, it can briefly stimulate the surrounding cells — prompting the body to release **histamine**, a natural compound your immune system uses for communication, blood flow, and tissue repair.

A histamine reaction is the body's way of saying “*something new is here, let's pay attention.*” It widens local blood vessels (the warmth and redness), increases sensitivity in nearby nerves (the itch or tingle), and brings repair cells to the area. It is **not an allergy** in most cases — it's a normal, short-lived signal of your body responding and adapting.

Before you inject

- **Warm the syringe.** After drawing your dose, let it rest at room temperature for **30–60 minutes**. Cold solutions are more likely to sting and trigger sensitivity.
- **Ice the site.** Apply an ice pack wrapped in a clean cloth for 1–2 minutes to calm the skin.
- **Reconstitute gently.** Swirl, don't shake — and make sure the peptide is fully dissolved.
- **Choose calm skin.** Avoid areas that are irritated, bruised, or freshly worked out.

During injection

- Inject at a **90° angle** — more comfortable than 45°.
- Insert the needle only **halfway in**, just into the fatty layer.
- Push the plunger **slowly and gently**.
- **Rotate sites** with every dose: upper glute, hip / love-handle, back of upper arm, or thigh.

If a reaction occurs

Lower your next dose, change your injection site, and build back up gradually. Reactions almost always become milder with time. If a reaction is severe, spreads beyond the injection site, or causes difficulty breathing, discontinue use and contact your healthcare provider.

A NOTE ON HORMONAL CYCLES

For women, hormonal shifts before and during menstruation can heighten histamine sensitivity, so reactions may feel stronger during those days. Lowering the dose, pausing briefly, or extending the ice step can help you stay comfortable through your cycle.

This information is for educational purposes only and is not intended as medical advice. Always consult a qualified healthcare provider regarding your individual protocol.