

LL-37(5mg) INJECTABLE PEPTIDE

LL37 is an antimicrobial and immune-modulating peptide known for its role in fighting infections and reducing inflammation. It is naturally produced by the body as part of the innate immune response and has broad-spectrum antimicrobial activity, targeting bacteria, viruses, and fungi. Additionally, LL37 supports wound healing, gut health, and inflammation control, making it beneficial for autoimmune conditions, chronic infections, and inflammatory disorders.

HOW IT WORKS / MECHANISM OF ACTION

LL37 enhances immune defense by disrupting the membranes of pathogens, effectively eliminating bacteria, viruses, and fungi. It also modulates immune responses by reducing pro-inflammatory cytokines and promoting tissue regeneration. By supporting cellular repair, collagen production, and angiogenesis, LL37 aids in wound healing and gut mucosal integrity, making it valuable for overall immune and inflammatory health.

BENEFITS

- **Antimicrobial Defense:** LL37 has broad-spectrum antimicrobial properties, targeting bacteria, viruses, and fungi, making it effective against various infections, including antibiotic-resistant strains.
- **Inflammation Reduction:** It helps modulate inflammatory responses by decreasing pro-inflammatory cytokines, aiding conditions related to chronic inflammation.
- **Wound Healing:** LL37 promotes tissue regeneration, angiogenesis, and collagen production, accelerating wound healing and skin repair.
- **Gut Health Support:** It strengthens the intestinal lining, reducing permeability and supporting gut integrity, making it beneficial for conditions like leaky gut syndrome.
- **Immune Modulation:** LL37 enhances immune system function, helping to balance immune responses and prevent overactive immune reactions associated with autoimmune conditions.

CONTRAINDICATIONS

- **Pregnant or Breastfeeding Women:** The safety of LL37 during pregnancy or breastfeeding is not established and should be discussed with a healthcare provider.
- **Allergic Reactions:** Those with a history of severe allergic reactions should use LL37 cautiously and under medical supervision.

HELPS WITH

- | | |
|------------------------------------|------------------------------|
| • Bacterial infections | • Burns |
| • Viral infections | • Skin injuries |
| • Fungal infections | • Leaky gut |
| • Chronic infections | • Gut permeability |
| • Antibiotic-resistant strains | • IBS |
| • Autoimmune disorders | • Immune imbalance |
| • Inflammatory bowel disease (IBD) | • Overactive immune response |
| • Crohn's disease | • Infection prevention |
| • Ulcerative colitis | • Skin repair |
| • Rheumatoid arthritis | • Tissue regeneration |
| • Lupus | • Collagen support |
| • Multiple sclerosis | • Intestinal health |
| • Chronic inflammation | • Immune resilience |
| • Wound healing | • Inflammatory disorders |

EXPECTED EFFECTS & TIMELINE OF BENEFITS

- **1-2 Weeks:** Users may notice initial reductions in inflammation, along with minor improvements in gut health and early signs of immune support.
- **3-6 Weeks:** Antimicrobial effects become more pronounced, with potential symptom relief from chronic infections. Wound healing and skin improvements are often noticeable during this period.
- **8-12 Weeks:** Full benefits include enhanced immune regulation, significant reductions in inflammation, improved gut health, and faster wound healing. Users often report better overall health, energy, and fewer infection symptoms.
- **Long-Term:** Continued use may lead to sustained immune support, enhanced resistance to infections, and better management of chronic inflammatory or autoimmune conditions.

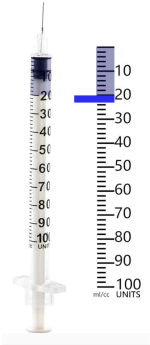
DOSING INSTRUCTIONS

INJECTIONS PER WEEK:
5 injections weekly.

VIAL DETAILS:
\$300
5mg / 5mL
Lasts 5 weeks.

RECOMMENDED CYCLES:
1 month on (+), 5 months off (-).
2 cycles per year.

DOSING:
0.2 mg = 20 units per injection.



INJECTION SITE:
Administer injections into subcutaneous fat (such as the stomach, thigh, or arm).

TIME OF DAY:
LL37 can be injected at any time of day. Many users prefer morning injections to support immune function throughout the day, but you can choose a time that best fits your routine.

WEEKLY PROTOCOL

SUN	MON	TUES	WEDS	THURS	FRI	SAT
	☐ 20 units	☐ 20 units	☐ 20 units	☐ 20 units	☐ 20 units	

5 injections weekly.

MONTHLY PROTOCOL

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
LL-37	+	-	-	-	-	-	+	-	-	-	-	-
	CYCLE 1				CYCLE 2				CYCLE 3			

1 month on (+), 3 months off (-).
3 cycles per year.

POTENTIAL SIDE EFFECTS

- Mild Gastrointestinal Issues:** Some users may experience nausea, which is typically mild and temporary.
- Injection Site Reactions:** Redness, swelling, or mild pain at the injection site may occur. These side effects are generally short-lived and can be minimized by rotating injection sites.
- Fatigue and Flushing:** Temporary fatigue and flushing have been reported by some users, particularly during the initial phase.

Please contact us if you experience any of the following:

- Fever of 100.4°F (38°C) or higher
- Blistering at the injection site
- Muscle aches, nausea, dizziness, or headache
- Skin rash, severe itching, vomiting, or hives

If you have any questions, please message your healthcare provider through the patient portal or contact us at **646-596-7386**.

TIPS TO REDUCE SIDE EFFECTS

- Start with a Lower Dose:** Gradually increase the dose to assess your body's tolerance and minimize potential side effects such as gastrointestinal discomfort.
- Rotate Injection Sites:** Changing injection sites with each dose can help prevent localized irritation and reduce the likelihood of injection site reactions.
- Take with Food:** If gastrointestinal issues occur, taking DSIP with food may help reduce symptoms.
- Stay Hydrated:** Proper hydration can help alleviate symptoms like flushing and fatigue, as it supports overall metabolic function.
- Consult Your Healthcare Provider:** Regular follow-ups with a healthcare provider can help monitor progress and adjust dosages as needed to optimize the benefits while minimizing side effects.