

Thymosin Alpha-1 OR TA-1 (10mg) INJECTABLE PEPTIDE

Thymosin Alpha-1 (TA-1) is a 28-amino acid peptide naturally produced in the thymus gland, which plays a crucial role in immune regulation and enhancement. TA-1 stimulates the development and differentiation of T cells, a vital part of the immune system that helps the body recognize and fight off infections, cancer cells, and other foreign agents. It has been used clinically to boost immune function, especially in individuals with weakened immunity, such as those undergoing chemotherapy or suffering from chronic infections.

HOW IT WORKS / MECHANISM OF ACTION

TA-1 enhances the immune system by interacting with various Toll-like receptors (TLRs), including TLR2, TLR4, and TLR9, which are involved in innate immunity. By activating these receptors, TA-1 promotes the release of key cytokines, such as interleukin-2 (IL-2) and interferon-alpha, which play a major role in immune cell activation and proliferation. TA-1 also aids in the differentiation and activation of dendritic cells, which are crucial for initiating and maintaining immune responses. By shifting the balance towards T-helper 1 (Th1) immune responses, TA-1 enhances the body's ability to combat intracellular pathogens, including viruses and certain bacteria.

BENEFITS

- **Immune Enhancement:** TA-1 is well-known for its ability to boost the immune system by increasing T-cell production and activity, improving the body's ability to fight infections and bolster overall immune function.
- **Reduced Inflammation:** TA-1 helps modulate the immune system and downregulate pro-inflammatory cytokines, making it effective for managing inflammation associated with autoimmune diseases and chronic conditions.
- **Antiviral Defense:** This peptide has antiviral properties that enhance the body's natural defenses, making it beneficial for combating viral infections, including respiratory illnesses and chronic viral conditions.
- **Cancer Support:** TA-1 is used adjunctively in some cancer treatments due to its ability to stimulate immune cells, potentially improving immune surveillance and the body's capacity to fight abnormal cells.
- **Chronic Fatigue Support:** It has been shown to improve energy levels and alleviate fatigue, especially in conditions where immune dysfunction or chronic infection is present.
- **Autoimmune Modulation:** TA-1 helps balance the immune system by promoting immune tolerance, reducing the severity of autoimmune responses, and supporting the management of autoimmune conditions.

CONTRAINDICATIONS

- **Active Cancer without Consultation:** While TA-1 is sometimes used as an adjunct in cancer treatment, it should not be used without consultation with a healthcare provider due to its immune-stimulating effects.
- **Pregnant or Breastfeeding Women:** The safety of TA-1 during pregnancy or breastfeeding has not been established, so it is not recommended for these populations unless under medical supervision.

HELPS WITH

- Immune Support
- Immunity Boost
- Infection Resistance
- Viral Defense
- Chronic Infections
- Autoimmune Support
- Anti-Inflammatory
- Chronic Fatigue
- Lyme Disease
- Longevity
- Long COVID Recovery
- Allergy Relief
- Cancer Support
- HIV/AIDS Management
- Liver Health
- Hepatitis Support
- Anti-Aging
- Inflammation Reduction
- Respiratory Health

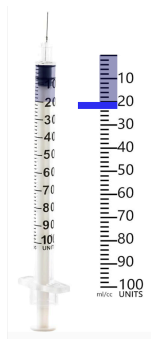
EXPECTED EFFECTS AND TIMELINE OF BENEFITS

- **1-2 Weeks:** Users may begin to notice improvements in energy levels and a reduction in the frequency of infections as immune function is enhanced.
- **4-6 Weeks:** Significant improvements in immune cell activity and reduced oxidative stress are typically observed. Studies indicate enhanced response to vaccines and a reduction in symptoms of chronic infections.
- **Long-Term:** Continuous use of TA-1 may lead to sustained improvements in immune resilience, enhanced response to vaccinations, and better management of chronic inflammatory conditions. Patients with viral infections may experience fewer relapses and improved overall health.

GENERAL DOSING & INJECTION PROTOCOL

DOSING:

0.5 mg = 20 units per injection.



INJECTIONS PER WEEK:

5 injections weekly.

VIAL DETAILS:

\$300

10mg / 4mL

Lasts 4 weeks.

RECOMMENDED CYCLES:

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

3 cycles per year.

INJECTION SITE:

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

TIME OF DAY:

TA-1 can be injected any time of day.

Some people prefer doing it in the morning or evening, depending on patient preference or how it fits into their routine.

WEEKLY PROTOCOL

SUN	MON	TUES	WEDS	THURS	FRI	SAT
	<input type="checkbox"/> 20 units	<input type="checkbox"/> 20 units	<input type="checkbox"/> 20 units	<input type="checkbox"/> 20 units	<input type="checkbox"/> 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
TA-1	+	-	-	-	+	-	-	-	+	-	-	-
	CYCLE 1				CYCLE 2				CYCLE 3			

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

3 cycles per year.

POTENTIAL SIDE EFFECTS

- Injection Site Reactions:** Some individuals may experience mild redness, swelling, or discomfort at the injection site; these reactions are generally temporary and resolve on their own.
- Systemic Symptoms:** Although rare, a few patients have reported fatigue, headache, or gastrointestinal discomfort following TA-1 administration.

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, feel free to 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:** Begin with a lower dose to assess tolerance, gradually increasing as recommended by a healthcare provider.
- Rotate Injection Sites:** Change the injection site with each dose to prevent irritation and minimize discomfort.
- Stay Hydrated:** Proper hydration can help reduce symptoms like headache and fatigue, which are sometimes associated with immune responses.
- Take with Food:** If gastrointestinal symptoms occur, taking TA-1 with food may help minimize these effects.
- Monitor Immune Response:** Regular follow-ups with a healthcare provider are essential to ensure optimal dosing and to monitor for any adverse reactions.