

Performance and Recovery



Helix Stack

About

The Helix Stack Nasal Spray is a synergistic peptide therapy being studied for its potential to support tissue repair, reduce inflammation, and accelerate recovery. By combining Proprietary Blend's gut, muscle, and joint healing properties with TB500's cellular regenerative effects, it's often used for injury recovery, post-surgical healing, and performance support.

*These products are for research use only and are not intended for human consumption, medical use, therapeutic use, or diagnostic purposes. They are not to be used in foods, drugs, cosmetics, dietary supplements, or any products intended for humans or animals. Peptides are not sterile, have not been tested for safety or efficacy in humans, and must not be injected, ingested, inhaled, applied to the skin, or administered in any form. No product sold is intended to treat, cure, mitigate, or prevent any disease.

What's Included

- One spray bottle
- Concentration: 5mg/10mg/15mL
- One bottle lasts one month

Clinical Research Potential Benefits:

- May accelerate healing of muscles, tendons, ligaments, and wounds
- May reduce inflammation and support joint repair
- May promote gut lining health and recovery after surgery
- May enhance overall tissue regeneration and resilience

Clinical Research Suggested Use:

- **Standard:** 100mcg/200mcg
- 3 sprays in the AM
- Administer 5 days per week, 2 consecutive days off
- Alternating nostrils (2 in the right, 1 in the left, then switch)
- **Intense healing:** 200mcg/400mcg
 - 3 sprays in the AM and 3 sprays in the PM
 - Administer 5 days per week, 2 consecutive days off
 - Alternating nostrils (2 in the left, 1 in the right, then switch)
- Duration: 3 months, cycle 1 week off between each month

Nasal Spray Guidelines

Before Use:

- For first-time use: Prime the spray by pressing the pump 2 to 3 times until it fully activates
- Gently blow your nose to clear the nasal passages
- Shake the bottle lightly
- Insert the nozzle toward the back of the nostril while keeping your head upright
- Press the pump to administer the recommended number of sprays

After Use:

- Try to avoid blowing your nose right away
- Wipe the spray tip with a clean tissue
- Replace the cap securely
- Store in the refrigerator

Helix Stack Mechanism of Action

Proprietary Blend :

- **Angiogenesis and Vascular Repair:**
 - Promotes angiogenesis by upregulating vascular endothelial growth factor (VEGF) and related pro-angiogenic mediators. This enhances neovascularization, improves tissue oxygenation, and accelerates perfusion in areas of injury.
- **Nitric Oxide (NO) Modulation:**
 - By regulating nitric oxide signaling, supports endothelial integrity and vasodilation. This modulation helps maintain healthy blood flow, reduces oxidative stress, and stabilizes vascular function during tissue repair.
- **Collagen Synthesis and Extracellular Matrix Remodeling:**
 - Stimulates fibroblast activity, leading to increased collagen deposition and extracellular matrix (ECM) organization. This structural support strengthens connective tissues and accelerates wound healing in tendons, ligaments, and muscles.
- **Inflammatory Regulation:**
 - The peptide modulates key genes involved in inflammatory signaling, reducing pro-inflammatory cytokine activity while enhancing anti-inflammatory mediators. This balance minimizes tissue irritation and promotes a regenerative microenvironment.
- **Cytoprotective and Regenerative Actions:**
 - Exerts potent cytoprotective effects on both epithelial and endothelial cells. It stabilizes cell membranes, enhances mitochondrial function, and protects against oxidative or chemical injury to maintain cellular homeostasis.
- **Tissue Regeneration and Healing:**
 - Through coordinated modulation of angiogenic, inflammatory, and regenerative pathways, Proprietary blend accelerates overall tissue repair. These actions collectively improve recovery from musculoskeletal injuries, gastrointestinal damage, and systemic inflammatory stress.

Helix Stack Mechanism of Action

TB-500:

- **Cellular Migration and Tissue Repair:**
 - TB-500 accelerates tissue regeneration by promoting cell migration to areas of injury. It activates components of the extracellular matrix (ECM), enhancing cell adhesion and motility essential for wound healing and structural repair.
- **Collagen Synthesis:**
 - TB-500 supports the synthesis of collagen, a key structural protein critical for the repair of skin, muscle, tendon, and joint tissue. Increased collagen production strengthens connective tissue integrity and accelerates recovery.
- **Angiogenesis:**
 - Through stimulation of new blood vessel formation, TB-500 improves local oxygen and nutrient delivery to damaged tissues. This angiogenic activity enhances cellular regeneration and recovery following injury or surgery.
- **Anti-Inflammatory Action:**
 - TB-500 exerts potent anti-inflammatory effects by downregulating pro-inflammatory cytokines and modulating the inflammatory response. This reduces tissue swelling, pain, and oxidative stress, promoting faster healing.
- **Tissue Regeneration and Muscle Repair:**
 - TB-500 enhances muscle cell proliferation and differentiation via upregulation of key growth factors, including vascular endothelial growth factor (VEGF) and fibroblast growth factor (FGF). These actions drive muscle regeneration and support recovery from strain or trauma.
- **Neuroprotective Effects:**
 - TB-500 demonstrates neuroprotective benefits through its ability to promote neuronal repair and support myelin sheath formation. This contributes to improved nerve function and resilience following injury.
- **Immune Modulation:**
 - TB-500 modulates immune function by influencing thymic activity and T-cell response. Enhanced immune regulation supports tissue recovery while helping the body resist infection and chronic inflammation.