

TISSUE REPAIR & RECOVERY

TB-500

Move and recover



Potential benefits

- ✓ Speeds tissue & muscle repair
- ✓ Improves flexibility & range of motion
- ✓ Reduces inflammation & soreness
- ✓ Supports recovery from overuse & injury
- ✓ Promotes new blood-vessel formation

AVAILABLE AS

Injection

TB-500

Thymosin Beta-4 Synthetic Fragment (actin modulator, tissue repair peptide)

Schedule: Rx only (compounded)

Route: Subcutaneous

Dosage Form: Sterile injection

Compounding Standard: USP 797 sterile compounded

1. Medication Identification

Synthetic analog of the actin-binding domain of Thymosin Beta-4. PCI Pharmacy formulation: 3 mg/mL sterile injection in 3 mL vials.

2. Indication / Therapeutic Use

Off-label support for soft tissue repair (tendon, ligament, muscle), surgical and orthopedic recovery, and microcirculation optimization.

3. Dosing and Administration

Dose: 300 mcg (10 units) subcutaneous

Timing: Before bed

Course: 50-day loading course; maintenance per protocol

Duration: Per prescriber protocol

What to do if a dose is missed: Administer/Take your next dose when you remember. If within 12 hours of your next scheduled dose, skip the dose and take your next dose as scheduled. Do not double dose to compensate for a missed dose.

4. Mechanism of Action / Pharmacology

Promotes actin polymerization and cell migration to injury sites. Stimulates VEGF-mediated angiogenesis. Acts on hair follicle stem cells supporting pigmentation and regrowth.

5. Contraindications

- ☐ Active malignancy (theoretical angiogenic concern)
- ☐ Pregnancy or lactation
- ☐ Pediatric use (insufficient data)
- ☐ Hypersensitivity to TB-500 or excipients

6. Warnings and Precautions

- ☐ Not FDA approved as a finished drug product
- ☐ Counsel on off-label and investigational status
- ☐ Long-term safety data limited

7. Adverse Reactions

- ☐ Generally well tolerated
- ☐ Mild injection site reactions possible
- ☐ Brief post-dose head rush reported

8. Drug Interactions

- ☐ No documented clinically significant interactions
- ☐ Frequently stacked with BPC-157, KPV, GHK-Cu
- ☐ Caution with anticoagulants given angiogenic activity

9. Storage, Stability, and Beyond-Use Date

Visually inspect vial to ensure no precipitants, damage or cloudy liquid remains. Injectable: refrigerated at 35 – 42 degrees Fahrenheit, do not freeze, protected from light. Beyond-use date per pharmacy SOP and USP 797 guidance.

10. Compounding and Dispensing Notes

Sterile compounded under USP 797 conditions. Inspect for clarity and particulates. Document lot, BUD, and patient-specific Rx.