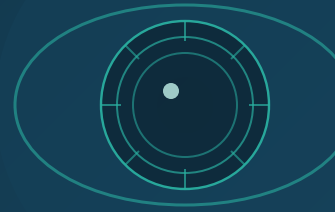


# Insulin Ophthalmic Drops

A novel topical therapy for stubborn corneal surface disease.



✓ 1 IU/mL · STERILE · OPHTHALMOLOGIST-PRESCRIBED

When the corneal surface won't heal — persistent epithelial defects, neurotrophic keratitis, severe dry eye, or post-surgical ocular surface disease — standard lubricants and antibiotics often aren't enough. **Topical insulin** is an emerging therapy that targets the underlying biology of corneal repair, with a growing body of clinical evidence supporting its role in re-epithelialization. Compounded as a low-concentration sterile drop, it offers ophthalmologists a well-tolerated, low-cost option for difficult-to-heal corneas.

## How It Works

Corneal epithelial cells express **insulin receptors**, and insulin is a known growth factor for epithelial proliferation, migration, and wound healing. Topical insulin appears to **accelerate re-epithelialization** of corneal defects by stimulating these receptors directly at the ocular surface — without systemic absorption or effect on blood glucose at the doses used. Multiple peer-reviewed studies and case series report defect closure in patients refractory to conventional therapy.

## When It's Prescribed

- Persistent Corneal Epithelial Defects (PEDs)**  
Non-healing defects that have failed lubricants, bandage lenses, or autologous serum tears.
- Neurotrophic Keratitis**  
Stages 1–3 disease — alone or alongside cenegermin and other neurotrophic protocols.
- Severe Dry Eye & Post-Surgical Healing**  
Refractory dry eye, post-PRK / post-corneal surgery, and chemical or thermal injury recovery.
- Diabetic Keratopathy**  
Particularly relevant in diabetic patients with impaired corneal sensation and delayed healing.

## Why Compounded Insulin Drops?

Feature	Insulin 1 IU/mL Ophthalmic	Autologous Serum Tears
Commercial availability	✗ Not available — compounding only	✗ Compounding only
Patient blood draw required	✓ No	✗ Yes — ongoing draws
Consistent concentration	✓ Standardized 1 IU/mL	✗ Varies by patient
Cost & turnaround	✓ Low cost, quick to fill	Higher cost, scheduling required

### Insulin 1 IU/mL Ophthalmic Drops

Sterile, preservative-free · refrigerated

Typical: 1 drop affected eye 4x daily, or as directed.

### Prescription Required

Compounded to order at our pharmacy

Custom concentrations available per prescriber.

## Could This Be Right for You?

- Your ophthalmologist has diagnosed a persistent corneal epithelial defect that hasn't healed with standard therapy
- You have neurotrophic keratitis or diabetic keratopathy with delayed corneal healing
- You've tried lubricants, bandage lenses, or autologous serum tears without adequate response
- Your eye doctor has prescribed compounded insulin drops and needs a compounding pharmacy

**Ask your eye doctor to send the prescription directly to us.**

The Medicine Shoppe · 1698 S Queen St, York PA 17403 · (717) 846-0500

Phone, fax (717) 845-8767, or e-prescribe. For educational purposes only — not medical advice.