



Frequently Used Compounds

OPHTHALMOLOGY

**Not an all-inclusive list; examples only of more common ophthalmic formulations. Does not represent full compounding capabilities. New, custom and physician-specific formulations are encouraged.*

| <u>Problem</u> | <u>Options</u> |
|---------------------------------|---|
| Infection | <ul style="list-style-type: none"> ▪ Fortified Gentamicin Ophthalmic Solution ▪ Fortified Tobramycin Ophthalmic Solution ▪ Fortified Cefazolin Ophthalmic Suspension ▪ Vancomycin 25mg/ml Ophthalmic Solution ▪ Amphotericin B Ophthalmic Solution (various strengths) ▪ Fluconazole 0.2% Ophthalmic Solution ▪ Bacitracin 400u/gm / Dexamethasone 0.05% Ophthalmic Ointment |
| Inflammation | <ul style="list-style-type: none"> ▪ Dexamethasone Sodium Phosphate 0.05% Ophthalmic Ointment ▪ Diclofenac Sodium 0.1% Preservative-Free Ophthalmic Solution |
| Miscellaneous | <ul style="list-style-type: none"> ▪ Acetylcysteine Ophthalmic Solution ▪ Baquacil 0.1% or 0.02% Ophthalmic Solution ▪ TPA Injection (Pre-fill syringe) 250mcg/ml ▪ Mitomycin Ophthalmic Solution (all strengths) ▪ Irrigation solutions ▪ Glutathione/ Vitamin A/ Vitamin C in DMSO Ophthalmic Solution |
| Stains | <ul style="list-style-type: none"> ▪ Lissamine Green 0.5% Ophthalmic Solution ▪ Rose Bengal 1% Ophthalmic Solution |
| Preservative-Free Products | <p>Most ophthalmic solutions can be prepared as preservative-free with 2-4 week dating (dependent upon stability). Solutions are dispensed in 0.2micron filter syringe.</p> <ul style="list-style-type: none"> ▪ Ciprofloxacin 0.3% Preservative Free Ophthalmic Solution ▪ Prednisolone Sodium Phosphate Preservative Free Ophthalmic Soln. |
| Unavailable Commercial Products | <p>Most commercial products can be compounded In the event they become temporarily unavailable (dependent upon availability pure active ingredient). Recent example includes:</p> <ul style="list-style-type: none"> ▪ Hyaluronate Injection. |

Additional Ideas for OPHTHALMOLOGY Compounds

- Fortified anti-infective sterile ophthalmic solutions or ointments.
- Need for preservative-free ophthalmic preparations (concerns with toxicity or sensitivities to preservatives). Some examples include:
 - Preservative-free antibiotics
 - Preservative-free epinephrine
 - Preservative-free anti-inflammatory preparations (steroidal or NSAID)
- Irrigation solutions for intraocular surgery that are preservative-free and detergent-free (concerns for obtaining correct ionic composition, pH, and osmolality to prevent intraocular toxicity).
- Need for custom combination preparations, e.g., treatment of steroid-responsive inflammation with bacterial infection risks.
- Need for custom ophthalmic stains
- Unavailable Commercial Medications