



NATIONWIDE CHILDREN'S
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Pharmacy

Drug Name	Route	Dosage Form	Concentration
Vancomycin (LOW)	Ophth	Solution	31mg/mL

Formula Qty: 15mL	Shelf Life: 21 days
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Equipment needed:

Laminar air flow hood, syringes, needles, 0.22 micron filter

Auxiliary Labels/Storage: Refrigerate; For Ophthalmic Use Only

Room Temperature Storage = 7days

Directions:

1. In a laminar air flow hood, reconstitute vancomycin 500mg vial for injection with 5mL sterile water for injection to yield a 100mg/mL solution.
2. Remove dropper from artificial tears bottle (15mL bottle). Remove and discard 4.6mL of solution leaving 10.4mL remaining.
3. Withdraw 4.6mL from the reconstituted vancomycin vial into a syringe.
4. Attach a 0.22 micron filter to the syringe.
5. Transfer the vancomycin solution into the artificial tears bottle. Replace dropper, shake well to mix.

Note: The artificial tears solution tested in the primary study contained: 0.3% hydroxypropyl methylcellulose, 0.1% dextran 70, 0.01% benzalkonium chloride, and 0.05% edentate disodium.

Ingredients	QS	Quantity	Units
Vancomycin 500mg vial for Injection		4.6	mL
Sterile Water for Injection		5	mL
Artificial Tears (Natural Balance Tears)		10.4	mL

Citations/References

1. Fuhrman LC, Stroman RT. Stability of Vancomycin in an Extemporaneously Compounded Ophthalmic Solution. Am J Health-Syst Pharm. 1998; 55(Jul): 1386-1388.
2. Osborn E, Baum JL, Ernst C, et al. Stability of Ten Antibiotics in Artificial Tear Solutions. Am J Ophth. 1976; (82): 775-780.

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