

Preparation of a-Interferon for Topical Ocular Use

NOTE: a-Interferon protein is very fragile—similar to insulin. Do not shake the solution to mix it. Below are directions to dilute alpha interferon to 500 units/mL for topical ocular use:

Supplies:

- 1 vial Interferon alpha- 2b (10 million units/1.0 mL; Schering)
- 1 Liter of 0.9% sodium chloride for injection

Procedure:

- Combine 0.05 mL Interferon alpha-2b with 9.95 ml of 0.9% sodium chloride solution for a final volume of 10 mL at a concentration of 50,000 units/mL. Gently swirl the mixture until mixed well.
- Remove 0.1 mL of the solution prepared in step 1 (50,000 units/mL) and mix with 9.9 mL of 0.9% sodium chloride solution. This will result in a final volume of 10 mL at a concentration of 500 units/mL. Gently swirl the mixture until mixed well.

Topical Treatment:

- Apply 1 drop to the affected eye(s) q 8 h. KEEP REFRIGERATED