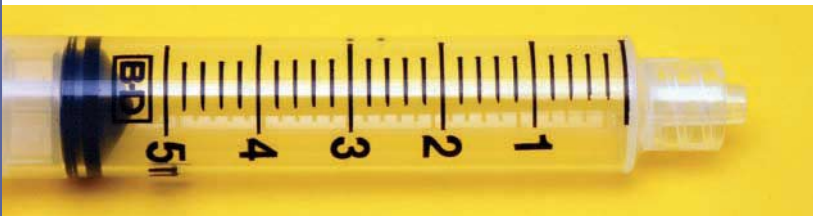


DA equation:

5. Evaluation: _____
 If satisfactory, draw a vertical line through the calibrated line of the exact _____ in syringe.

Clinical Relevance boxes relate chapter material to safe clinical practice, addressing topics such as legal aspects, high-risk drugs, and common errors.



_____ and/or discard directions: _____

Clinical Relevance

Many of the medications for reconstitution are antibiotics. They may be supplied in several forms and a variety of concentrations for oral, topical, intramuscular, or intravenous routes. Some have similar-sounding generic and trade names. Take care when comparing the order to the label.

★ Communication
 “Good morning, Mr. Smith. How are you today? Any changes since yesterday?” (Wait for an answer and respond.). “I have an antibiotic, Cefzil 500 mg for your infection. Have you had problems with antibiotics?”

Generic Name	Trade Name
cefaclor	Ceclor
cefprozil	Cefzil
cefuroxime	Ceftin
cephalexin	Keflex
cephazolin	Kefzol
ciprofloxacin	Cipro Cipro XR
gatifloxacin	Tequin
gemifloxacin	Factive
sulfamethoxazole + trimethoprim	Bactrim DS Septra DS

Clinical Relevance

Some patients are allergic to certain antibiotics and need a reminder. Assess lung sounds for wheezes and the skin for rashes, and ask the patient if there have been any bowel changes (e.g., diarrhea). These are the most common symptoms of allergic reactions. A skin rash may precede more serious symptoms.

Liquid Concentrates: Diluting Liquids

The pharmacy usually dilutes medication solutions to the ordered strength. Occasionally, the nurse will need to dilute a medication, nutritional beverage supplement, or irrigation solution based on a dilution ratio or percent concentration. Dilution is done to protect the patient from side effects of an overly strong concentration.

- ▶ Always look for dilution instructions when you see the word concentrate on a medication label. Failure to do so could result in serious injury to the patient.

Liquids administered through feeding tubes full strength may cause gastrointestinal distress. Solutions for irrigation treatments may need to be diluted to avoid tissue injury.