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Dosage Calculations and Safe Medication Administration 3.0 Case Studies: AIDS



A nurse is converting a client's weight from pounds to kilograms. What is the client's weight in kilograms?

(Review the MAR. Round the answer to the nearest tenth.)

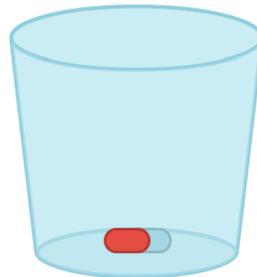


49.1



A nurse is calculating the dosage of atazanavir. How many capsules should the nurse administer?

(Review the MAR and medication label. Move the number of capsules the nurse should administer into the medication cup. Then click "Submit.")



1



A nurse is calculating the dosage of ritonavir. How many milliliters should the nurse administer?

(Review the MAR and medication label. Round the answer to the nearest tenth.)



1.3



A nurse is calculating the dosage of abacavir. How many milliliters should the nurse administer?



15



A nurse is calculating the dosage of emtricitabine. How many milliliters should the nurse administer?

Emtricitabine
Oral Solution 10mg/mL
170 mL Rx only

Each mL contains 10 mg emtricitabine.
See package insert for dosage and administration.

The oral solution should be used within 3 months if stored by patient at 25°C (77° F), excursions permitted to 15-30° C (59-86° F).
Keep container tightly closed.



20

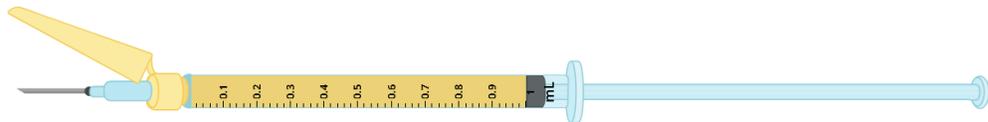


A nurse is calculating the dosage of enfuvirtide. How many milliliters should the nurse administer?

(Review the MAR and medication label. Measure the correct dose of the medication by dragging the syringe. Then click "Submit.")

Enfuvirtide
for injection
90 mg/mL

Single-Use Vial
Each contains 108 mg of enfuvirtide to provide delivery of 90 mg.
For subcutaneous use after reconstitution.
Store at 25°C (77° F) before reconstitution. (see package insert.)
Usual dosage: See insert.
Reconstitute with 1 mL Sterile Water
Use immediately.



1



A nurse is reading enfuvirtide label. Which of the following is accurate information from this label?

(Select all that apply.)



- A Mix with 0.9% NaCl.
- B Use immediately.
- C Dilute with 2 mL fluid.
- D Final dilution is 90 mg/mL.
- E Store at 25° C (77° F) before mixing.
- F Use for subcutaneous injection.