

STORAGE Before Reconstitution: Store at 20° to 25°C (68° to 77°F). [See USP Controlled Room Temperature.] **After Reconstitution:** Store suspension at 5° to 25°C (41° to 77°F). Protect from freezing.

SHAKE WELL BEFORE EACH USE. DISCARD UNUSED PORTION AFTER 2 WEEKS.

MIXING DIRECTIONS: Tap bottle lightly to loosen powder. Add 24 mL of distilled water or Purified Water (USP) to the bottle. Shake well.

USUAL DOSAGE: See Package Insert for Complete Prescribing Information.

Distr. by **West-Ward Pharmaceuticals Corp.**
Eatontown, NJ 07724

NDC 0054-0003-85 35 mL when reconstituted

Fluconazole
for Oral Suspension USP

40 mg/mL
*each teaspoonful (5 mL) contains 200 mg fluconazole USP when reconstituted.

This package contains 1400 mg fluconazole USP in a natural orange-flavored mixture.*

FOR ORAL USE ONLY.

WEST-WARD PHARMACEUTICALS **Rx only**

10001543 / 06

1. The healthcare provider has prescribed fluconazole oral suspension 200 mg by mouth daily for 7 days. How many ml will the nurse give to the client per dose?

NDC 54092-385-01

ADDERALL XR®
(Mixed Salts of a Single-Entity Amphetamine Product)

Extended-Release Capsules

15 mg

100 Capsules
Rx only

Shire

015926

LOT
EXP

© 2015 Shire US, Inc. 165742
Mfg. for: Shire US Inc., 300 Shire Way, Lexington, MA 02421

Human Readable Correct
5409238501

ADDERALL XR® is registered in the United States Patent and Trademark Office.

STORAGE: 25°C (77°F); EXCURSIONS 15-30°C (59-86°F). DISPENSE IN TIGHT, LIGHT-RESISTANT CONTAINER AS DEFINED IN THE USP. SEE PACKAGE INSERT FOR COMPLETE INFORMATION.

Pharmacist: Medication Guide to be dispensed to patients

Each capsule contains: Dextroamphetamine Saccharate 3.75 mg, Amphetamine Aspartate Monohydrate 3.75 mg, Dextroamphetamine Sulfate USP 3.75 mg, Amphetamine Sulfate USP 3.75 mg. Total amphetamine base equivalence 9.4 mg.

2. You are working with a young adult client. The healthcare provider has prescribed Adderall XR capsules 60 mg daily in two divided doses at 0600 and 1200. How many capsules will the client take per dose?
3. Your client taking Adderall XR has a new prescription. The client will now take the 45 mg of the medication daily in three divided doses at 0600, 1100, and 1400. How many capsules will the client take per dose?

N 0071-2220-17

ELIXIR

Benadryl[®]
(Diphenhydramine Hydrochloride Elixir, USP)

Caution—Federal law prohibits dispensing without prescription.

4 FLUIDOUNCES

PARKE-DAVIS
Div of Warner-Lambert Co
Morris Plains, NJ 07950 USA

Elixir P-D 2220 for prescription dispensing only.
Contains—12.5 mg diphenhydramine hydrochloride in each 5 mL. Alcohol, 14%.

Dose—Adults, 2 to 4 teaspoonfuls; children over 20 lb, 1 to 2 teaspoonfuls; three or four times daily.
See package insert.
Keep this and all drugs out of the reach of children.

Store below 30° C (86° F). Protect from freezing and light.

Exp date and lot

2220G102

- A nurse is working in a pediatric clinic. A client who is 11 years old has a new prescription for diphenhydramine HCl elixir 40 mg by mouth daily in four divided doses. How many mL will the client take per dose?
- The prescription for the 11-year-old client in problem 3 has changed. The client will now take diphenhydramine HCl elixir 60 mg by mouth daily in four divided doses. How many mL will the client take per dose?

ALWAYS DISPENSE WITH MEDICATION GUIDE

Pfizer NDC 0071-2214-20

Dilantin-125[®]
(phenytoin, USP)
Oral Suspension

125 mg per 5 mL

IMPORTANT-SHAKE WELL BEFORE EACH USE
NOT FOR PARENTERAL USE

8 fl oz (237 mL) **Rx only**

THIS PRODUCT MUST BE SHAKEN WELL ESPECIALLY PRIOR TO INITIAL USE.
Each 5 mL contains 125 mg phenytoin, with a maximum alcohol content not greater than 0.6 percent.

DOSAGE AND USE
Adults, 1 teaspoonful (5 mL) three times daily; pediatric patients, see package insert.

Advice to Pharmacist and Patient—A calibrated measuring device is recommended to measure and deliver the prescribed dose accurately. A household teaspoon or tablespoon is not an adequate measuring device.
See package insert for complete prescribing information.

Store at 20° to 25°C (68° to 77°F); see USP controlled room temperature.
Protect from light. Do not freeze. Keep this and all drugs out of the reach of children.

Distributed by
Parke-Davis
Division of Pfizer Inc
NY, NY 10017

0071-2214-20 8

PA A084345
LOT/EXP
Imprint Area reads this way NO VARNISH

- A nurse is working with a 16-year-old client. The healthcare provider has written a prescription for phenytoin oral suspension 7 mg/kg/day by mouth in three divided doses. The client weighs 125 pounds. How many mL will the client take per dose? Round to the nearest tenth.

7. The nurse has another client who is 12 years old. This client has a prescription for phenytoin oral suspension 6 mg/kg/day by mouth in three divided doses. The client weighs 55 kg. How many mL will the client take per dose?

NDC 62756-181-01
Ondansetron Injection USP
 2 mg/mL

4 mg ondansetron / 2 mL

• Each 1 mL of aqueous solution contains ondansetron 2 mg as ondansetron hydrochloride dihydrate; sodium chloride 9 mg; citric acid monohydrate 0.5 mg and sodium citrate dihydrate 0.25 mg, as buffers.

GUJ/DRUGS/
 Batch No.:
 EXP. :

Manufactured by: **Sun Pharmaceutical Ind. Ltd.**
 Acme Plaza, Andheri-Kurla Road,
 Andheri (East), Mumbai-400 059, India.

PJLB0734
 PJLB0734
 ISS. 09/2006

8. A nurse working on a hospital medical client has a client on IV fluids. The healthcare provider has written an additional order for ondansetron 24 mg IV in three divided doses. How many mL of ondansetron will the nurse give per dose?

NDC 0703-9402-04 Rx only Each mL contains: tobramycin sulfate equivalent to 40 mg tobramycin; phenol 5 mg; sodium metabisulfite 3.2 mg; edetate disodium 0.1 mg; water for injection qs; pH is adjusted with sulfuric acid and if necessary sodium hydroxide. pH 3.0 to 6.5

Tobramycin
 Injection, USP *equivalent to Tobramycin*
80 mg/2 mL
 40 mg/mL

Usual Dosage:
 See Package Insert.
 Store at controlled room temperature 15°-30°C (59°-86°F).

2 mL Multiple Dose Vials
 For IM or IV
 Dilute Before IV Use **25 Vials** Teva Parenteral Medicines, Inc.
 Irvine, CA 92618

 Y10251

TEVA

9. The hospitalized client from problem 7 above has a new prescription for tobramycin 1.5 mg/kg/day IV every eight hours in divided doses. The client weighs 180 pounds. How many mL will the nurse give per dose? Round to a whole number.

Lot: _____

Exp.: _____

LIGHT SENSITIVE: Keep covered in carton until time of use.
To open - Cut seal along dotted line.

NDC 60977-001-03

Phenergan Injection
(Promethazine HCl Injection, USP)

25 mg/mL **Rx only** Each mL contains promethazine hydrochloride 25 mg, edetate disodium 0.1 mg, calcium chloride 0.04 mg, sodium metabisulfite 0.25 mg and phenol 5 mg in Water for Injection. pH 4.0-5.5; buffered with acetic acid-sodium acetate.

FOR DEEP INTRAMUSCULAR OR INTRAVENOUS USE

25 x 1 mL Vials

esi
Manufactured by **Baxter Healthcare Corporation**
Deerfield, IL 60015 USA 462-367-01

Usual Dosage: See package insert.
PROTECT FROM LIGHT: Keep covered in carton until time of use.
Store at 20°-25°C (68°-77°F) [see USP Controlled Room Temperature].

(01)003680977001036

10. Your adult client has a prescription for promethazine HCl injection IM 100 mg daily in three divided doses. How many mL will you give per dose? Round to the nearest tenth.

11. Your client's prescription has changed to promethazine HCl injection IM 80 mg daily in three divided doses. How many mL will you give per dose? Round to the nearest tenth.

Directions for mixing:
Tap bottle until all powder flows freely. Add approximately 1/3 total amount of water for reconstitution (**total=59 mL**); shake vigorously to wet powder. Add remaining water; again shake vigorously.
Each 5 mL (1 teaspoonful) will contain amoxicillin trihydrate equivalent to 250 mg amoxicillin.

Usual Adult Dosage:
250 to 500 mg every 8 hours.

Usual Child Dosage:
20 to 40 mg/kg/day in divided doses every 8 hours, depending on age, weight and infection severity. See accompanying prescribing information.

NDC 43598-209-80

250 mg/5 mL

AMOXICILLIN
FOR ORAL SUSPENSION
When reconstituted, each 5 mL contains 250 mg amoxicillin as the trihydrate.

Rx Only **80 mL**
(when reconstituted)

Dr. Reddy's

Use only if inner seal is intact.
Net contents: Equivalent to 4.0 grams amoxicillin. Store dry powder at 20°C-25°C (68°-77°F).
Keep tightly closed. Shake well before using.
Refrigeration preferred but not required.
Discard suspension after 14 days.
Dist. by: Dr. Reddy's Laboratories Inc.,
Bridgewater, NJ 08807

10512 150039661

LOT
EXP.

3 43598 20980 17

12. Your adult client has a prescription for amoxicillin oral suspension 1300 mg by mouth daily in three divided doses. What diluent will you mix with the powder for reconstitution? How much diluent will you use? How many mL of the reconstituted medication will you give per dose? Round to the nearest tenth.
13. Another of your adult clients has a prescription for amoxicillin oral suspension 400 mg by mouth every eight hours. How many mL of the reconstituted medication will you give per dose?

NDC 42367-540-32 Single-Dose Vial – Sterile
Discard Unused Portion
Rx only

RYANODEX[®]
(dantrolene sodium)
for injectable suspension

250 mg per vial

Reconstitution yields 50 mg/mL
For treatment of malignant hyperthermia along with the appropriate supportive measures.

FOR INTRAVENOUS USE ONLY
Reconstitute with Sterile Water for Injection, USP

Each single-dose vial contains 250 mg Dantrolene Sodium USP, 125 mg Mannitol, 25 mg Polysorbate 80, 4 mg Povidone K12 and sufficient Sodium Hydroxide or Hydrochloric Acid to yield a suspension with a pH of approximately 10.3 when reconstituted with 5 mL Sterile Water for Injection USP (without a bacteriostatic agent).

Store unconstituted product at 20 °C to 25 °C (68 °F to 77 °F) [see USP Controlled Room Temperature] and avoid prolonged exposure to light. Use within 6 hours after reconstitution. Store reconstituted suspension at controlled room temperature 20 °C to 25 °C (68 °F to 77 °F). Protect from light.

Marketed by:
Eagle Pharmaceuticals, Inc.
Woodcliff Lake, NJ 07677
PRODUCT OF TAIWAN
PC4771B

42367 54032 105

NON COATING AREA
0.765" X 0.4375"

14. A nurse is caring for a hospitalized adult client who weighs 150 pounds. The healthcare provider has written a prescription for dantrolene sodium IV 1 mg/kg every four hours. How many mL will the nurse give per dose? What is the diluent used to reconstitute the medication? Round to the nearest tenth.
15. The client in question 15 has a new prescription. The prescription for dantrolene sodium IV has changed to 2.5 mg/kg IV every six hours. How many mL will the nurse give per dose?

NDC 0049-0530-83

Buffered
Pfizerpen[®]
penicillin G potassium
For Injection

**TWENTY
MILLION UNITS**

20

**FOR INTRAVENOUS
INFUSION ONLY**

CAUTION: Federal law prohibits
dispensing without prescription.

ROERIG
A Division of Pfizer Inc. N.Y., N.Y. 10017

BULK PHARMACY PACKAGE
READ ACCOMPANYING PROFESSIONAL
INFORMATION

USUAL DOSAGE
6 to 40 million units daily by intravenous infusion only.

75 ml	250,000 u/ml
33 ml	500,000 u/ml
11.5 ml	1,000,000 u/ml

Approx. units per ml of solution

DATE/TIME PREPARED _____

BY _____

RECOMMENDED STORAGE IN DRY FORM
STORE BELOW 86° F. (30° C)
Buffered with sodium citrate
and citric acid to optimum pH.
AFTER RECONSTITUTION, SOLUTION SHOULD BE
REFRIGERATED. DISCARD UNUSED SOLUTION AFTER 7 DAYS.
MADE IN U.S.A. ▲

16. **Client A** has a prescription for 10 million units of penicillin G potassium IV daily in four divided doses. The bottle of penicillin G potassium available on the unit was reconstituted using 75 mL of sterile water. How many mL will the nurse give per dose?
17. **Client B** has a prescription for 20 million units of penicillin G potassium IV daily in six divided doses. The nurse uses 33 mL of sterile water to reconstitute a new bottle of penicillin G potassium. How many mL will the nurse give per dose? Round to the nearest tenth.
18. **Client C** has a prescription for 30 million units of penicillin G potassium IV daily in six divided doses. The nurse uses 75 mL of sterile water to reconstitute a new bottle of penicillin G potassium. How many mL will the nurse give per dose?

19. The prescription for **client C** has changed to 25 million units of penicillin G potassium IV daily in four divided doses. The nurse still has medication in the bottle of penicillin G potassium reconstituted with 75 mL of sterile water. How many mL will the nurse give per dose?

Answers



1. The healthcare provider has prescribed fluconazole oral suspension 200 mg by mouth daily for 7 days. How many ml will the nurse give to the client per dose? **5mL**

$$200\text{mg} \div 1400\text{ mg} \times 35\text{ mL} = 5\text{ mL per dose}$$



2. You are working with a young adult client. The healthcare provider has prescribed Adderall XR capsules 60 mg daily in two divided doses at 0600 and 1200. How many capsules will the client take per dose? **2 caps/dose**

$$60\text{ mg} \div 15\text{ mg} = 4\text{ caps}$$

$$4\text{ caps} \div 2 = 2\text{ caps per dose}$$

3. Your client taking Adderall XR has a new prescription. The client will now take the 45 mg of the medication daily in three divided doses at 0600, 1100, and 1400. How many capsules will the client take per dose? **1 cap / dose**

$$45 \text{ mg} \div 15 \text{ mg} = 3 \text{ caps}$$

$$3 \text{ caps} \div 3 = 1 \text{ cap per dose}$$

<p>N 0071-2220-17</p> <p>ELIXIR</p> <p>Benadryl[®]</p> <p>(Diphenhydramine Hydrochloride Elixir, USP)</p> <p>Caution—Federal law prohibits dispensing without prescription.</p> <p>4 FLUIDOUNCES</p> <p>PARKE-DAVIS Div of Warner-Lambert Co Morris Plains, NJ 07950 USA</p>	<p>Elixir P-D 2220 for prescription dispensing only.</p> <p>Contains—12.5 mg diphenhydramine hydrochloride in each 5 mL. Alcohol, 14%.</p> <p>Dose—Adults, 2 to 4 teaspoonfuls; children over 20 lb, 1 to 2 teaspoonfuls; three or four times daily.</p> <p>See package insert.</p> <p>Keep this and all drugs out of the reach of children.</p> <p>Store below 30° C (86° F). Protect from freezing and light.</p> <p style="text-align: right;">Exp date and lot</p> <p style="text-align: center;">2220G102</p>
---	--

4. A nurse is working in a pediatric clinic. A client who is 11 years old has a new prescription for diphenhydramine HCl elixir 40 mg by mouth daily in four divided doses. How many mL will the client take per dose? **4mL/dose**

$$40 \text{ mg} \div 12.5 \text{ mg} \times 5 \text{ mL} = 16 \text{ mL}$$

$$16 \text{ mL} \div 4 = 4 \text{ mL per dose}$$

5. The prescription for the 11-year-old client in problem 3 has changed. The client will now take diphenhydramine HCl elixir 60 mg by mouth daily in four divided doses. How many mL will the client take per dose? **6mL/dose**

$$60 \text{ mg} \div 12.5 \text{ mg} \times 5 \text{ mL} = 24 \text{ mL}$$

$$24 \text{ mL} \div 4 = 6 \text{ mL per dose}$$

<p>ALWAYS DISPENSE WITH MEDICATION GUIDE</p> <p style="text-align: right;">NDC 0071-2214-20</p> <p></p> <p>Dilantin-125[®]</p> <p>(phenytoin, USP)</p> <p>Oral Suspension</p> <p style="background-color: #800040; color: white; padding: 5px; text-align: center;">125 mg per 5 mL</p> <p style="text-align: center;">IMPORTANT-SHAKE WELL BEFORE EACH USE</p> <p style="text-align: center;">NOT FOR PARENTERAL USE</p> <p>8 fl oz (237 mL) Rx only</p>	<p>THIS PRODUCT MUST BE SHAKEN WELL ESPECIALLY PRIOR TO INITIAL USE.</p> <p>Each 5 mL contains 125 mg phenytoin, with a maximum alcohol content not greater than 0.6 percent.</p> <p>DOSAGE AND USE</p> <p>Adults, 1 teaspoonful (5 mL) three times daily; pediatric patients, see package insert.</p> <p>Advice to Pharmacist and Patient—A calibrated measuring device is recommended to measure and deliver the prescribed dose accurately. A household teaspoon or tablespoon is not an adequate measuring device.</p> <p>See package insert for complete prescribing information.</p> <p>Store at 20° to 25° C (68° to 77° F); see USP controlled room temperature.</p> <p>Protect from light. Do not freeze. Keep this and all drugs out of the reach of children.</p> <p>Distributed by Parke-Davis Division of Pfizer Inc NY, NY 10017</p>	<p>8</p>  <p>N 0071-2214-20</p> <p>NO VARNISH</p> <p style="font-size: small;">P 44084345 LOT/EXP Imprint Area reads this way</p>
--	---	--

6. A nurse is working with a 16-year-old client. The healthcare provider has written a prescription for phenytoin oral suspension 7 mg/kg/day by mouth in three divided doses. The client weighs 125 pounds. How many mL will the client take per dose? Round to the nearest tenth.

5.3mL/dose

$$125 \text{ lbs} \div 2.2 = 57 \text{ kg}$$

$$57 \text{ kg} \times 7 \text{ mg} = 399 \text{ mg/kg}$$

$$399 \text{ mg} \div 125 \text{ mg} \times 5 \text{ mL} = 15.96 \text{ mL}$$

$$15.96 \text{ mL} \div 3 = 5.3 \text{ mL per dose}$$

7. The nurse has another client who is 12 years old. This client has a prescription for phenytoin oral suspension 6 mg/kg/day by mouth in three divided doses. The client weighs 55 kg. How many mL will the client take per dose? **4.4mL/dose**

$$55 \text{ kg} \times 6 \text{ mg} = 330 \text{ mg/kg}$$

$$330 \text{ mg} \div 125 \text{ mg} \times 5 \text{ mL} = 13.2 \text{ mL}$$

$$13.2 \text{ mL} \div 3 = 4.4 \text{ mL per dose}$$



8. A nurse working on a hospital medical client has a client on IV fluids. The healthcare provider has written an additional order for ondansetron 24 mg IV in three divided doses. How many mL of ondansetron will the nurse give per dose? **4mL/dose**

$$24 \text{ mg} \div 4 \text{ mg} \times 2 \text{ mL} = 12 \text{ mL}$$

$$12 \text{ mL} \div 3 = 4 \text{ mL per dose}$$

NDC 0703-9402-04 **Rx only** Each mL contains: tobramycin sulfate equivalent to 40 mg tobramycin; phenol 5 mg; sodium metabisulfite 3.2 mg; edetate disodium 0.1 mg; water for injection qs; pH is adjusted with sulfuric acid and if necessary sodium hydroxide. pH 3.0 to 6.5

Tobramycin
Injection, USP *equivalent to Tobramycin*

80 mg/2 mL
40 mg/mL

2 mL Multiple Dose Vials
For IM or IV
Dilute Before IV Use

25 Vials

Usual Dosage:
See Package Insert.

Store at controlled room temperature 15°-30°C (59°-86°F).

Teva Parenteral Medicines, Inc.
Irvine, CA 92618

TEVA

Y10251

9. The hospitalized client from problem 7 above has a new prescription for tobramycin 1.5 mg/kg/day IV every eight hours in divided doses. The client weighs 180 pounds. How many mL will the nurse give per dose? Round to a whole number. **1 mL/dose**

$$180 \text{ lbs} \div 2.2 = 82 \text{ kg} \qquad 82 \text{ kg} \times 1.5 \text{ mg} = 123 \text{ mg/kg}$$

$$123 \text{ mg} \div 80 \text{ mg} \times 2 \text{ mL} = 3 \text{ mL} \qquad 3 \text{ mL} \div 3 = 1 \text{ mL per dose}$$

Lot: _____

Exp.: _____

NDC 60977-001-03

Phenergan Injection
(Promethazine HCl Injection, USP)

25 mg/mL **Rx only** Each mL contains promethazine hydrochloride 25 mg, edetate disodium 0.1 mg, calcium chloride 0.04 mg, sodium metabisulfite 0.25 mg and phenol 5 mg in Water for Injection, pH 4.0-5.5; buffered with acetic acid-sodium acetate.

FOR DEEP INTRAMUSCULAR OR INTRAVENOUS USE

25 x 1 mL Vials

esi
Manufactured by **Baxter Healthcare Corporation**
Deerfield, IL 60015 USA 462-367-01

Usual Dosage: See package insert.
PROTECT FROM LIGHT: Keep covered in carton until time of use.
Store at 20°-25°C (68°-77°F) [see USP Controlled Room Temperature].

LIGHT SENSITIVE: Keep covered in carton until time of use. To open - Cut seal along dotted line.

(01)0036097701036

10. Your adult client has a prescription for promethazine HCl injection IM 100 mg daily in three divided doses. How many mL will you give per dose? Round to the nearest tenth. **1.3mL/dose**

$$100 \text{ mg} \div 25 \text{ mg} \times 1 \text{ mL} = 4 \text{ mL} \qquad 4 \text{ mL} \div 3 = 1.3 \text{ mL per dose}$$

11. Your client's prescription has changed to promethazine HCl injection IM 80 mg daily in three divided doses. How many mL will you give per dose? Round to the nearest tenth. **1.1mL/dose**

$$80 \text{ mg} \div 25 \text{ mg} \times 1 \text{ mL} = 3.2 \text{ mL} \qquad 3.2 \text{ mL} \div 3 = 1.1 \text{ mL per dose}$$



12. Your adult client has a prescription for amoxicillin oral suspension 1300 mg by mouth daily in three divided doses. What diluent will you mix with the powder for reconstitution? **Water** How much diluent will you use? **59mL** How many mL of the reconstituted medication will you give per dose? Round to the nearest tenth. **8.7mL/dose**

$$1300 \text{ mg} \div 250 \text{ mg} \times 5 \text{ mL} = 26 \text{ mL} \qquad 26 \text{ mL} \div 3 = 8.7 \text{ mL per dose}$$

13. Another of your adult clients has a prescription for amoxicillin oral suspension 400 mg by mouth every eight hours. How many mL of the reconstituted medication will you give per dose? **8 mL/dose**

$$400 \text{ mg} \div 250 \text{ mg} \times 5 \text{ mL} = 8 \text{ mL per dose}$$



14. A nurse is caring for a hospitalized adult client who weighs 150 pounds. The healthcare provider has written a prescription for dantrolene sodium IV 1 mg/kg every four hours. How many mL will the nurse give per dose? What is the diluent used to reconstitute the medication? Round to the nearest tenth. **1.4mL/dose**

$$150 \text{ lbs} \div 2.2 = 68 \text{ kg}$$

$$68 \text{ kg} \times 1 \text{ mg} = 68 \text{ mg/kg}$$

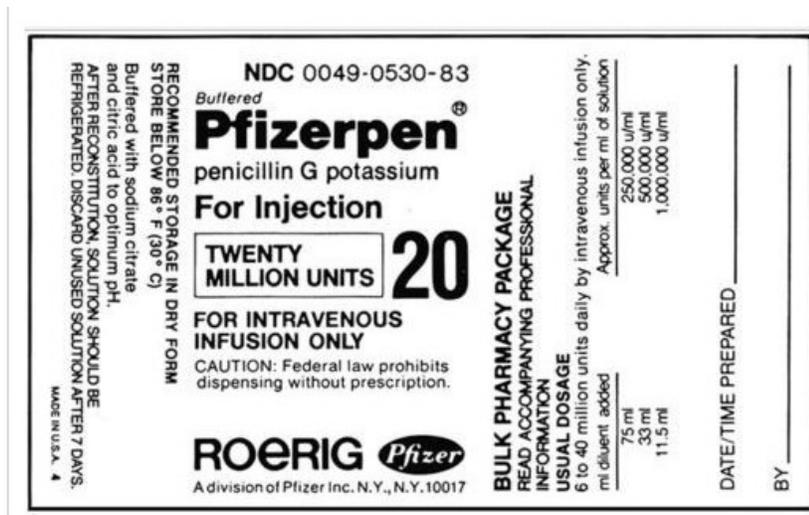
$$68 \text{ mg} \div 250 \text{ mg} \times 5 \text{ mL} = 1.4 \text{ mL}$$

15. The client in question 15 has a new prescription. The prescription for dantrolene sodium IV has changed to 2.5 mg/kg IV every six hours. How many mL will the nurse give per dose? **3.4mL/dose**

$$180 \text{ lbs} \div 2.2 = 82 \text{ kg}$$

$$82 \text{ kg} \times 2.5 \text{ mg} = 170 \text{ mg/kg}$$

$$170 \text{ mg} \div 250 \text{ mg} \times 5 \text{ mL} = 3.4 \text{ mL per dose}$$



16. **Client A** has a prescription for 10 million units of penicillin G potassium IV daily in four divided doses. The bottle of penicillin G potassium available on the unit was reconstituted using 75 mL of sterile water. How many mL will the nurse give per dose? **10mL/dose**

$$10,000,000 \text{ units} \div 250,000 \text{ units} \times 1 \text{ mL} = 40 \text{ mL}$$

$$40 \text{ mL} \div 4 = 10 \text{ mL per dose}$$

17. **Client B** has a prescription for 20 million units of penicillin G potassium IV daily in six divided doses. The nurse uses 33 mL of sterile water to reconstitute a new bottle of penicillin G potassium. How many mL will the nurse give per dose? Round to the nearest tenth. **6.7mL/dose**

$$20,000,000 \text{ units} \div 500,000 \text{ units} \times 1 \text{ mL} = 40 \text{ mL}$$

$$40 \text{ mL} \div 6 = 6.7 \text{ mL per dose}$$

18. **Client C** has a prescription for 30 million units of penicillin G potassium IV daily in six divided doses. The nurse uses 75 mL of sterile water to reconstitute a new bottle of penicillin G potassium. How many mL will the nurse give per dose? **20mL/dose**

$$30,000,000 \text{ units} \div 250,000 \text{ units} \times 1 \text{ mL} = 120 \text{ mL}$$

$$120 \text{ mL} \div 6 = 20 \text{ mL per dose}$$

19. The prescription for **client C** has changed to 25 million units of penicillin G potassium IV daily in four divided doses. The nurse still has medication in the bottle of penicillin G potassium reconstituted with 75 mL of sterile water. How many mL will the nurse give per dose? **25mL/dose**

$$25,000,000 \text{ units} \div 250,000 \text{ units} \times 1 \text{ mL} = 100 \text{ mL}$$

$$100 \text{ mL} \div 4 = 25 \text{ mL per dose}$$