

Imperial Valley College
Division of Nursing and Health Technologies
NURS

Study Guide
Dosage Calculations

Order: Potassium Pen V Susp. 250 mg po q 6 hr

Supply:

I

SQUIBB
NDC 00003-0681-54
125 mg per 5mL
(200,000 units/5 mL)
VEETIDS 125
Penicillin V Potassium
for Oral Solutions U.S.P.
200 mL

II

Lilly NDC XXX-YYYY 100 Tablets
V-CILLIN K
Penicillin V Potassium
Tablets, U.S.P
250 mg (400,000 units)

1. Which supply should be used to prepare this ordered medication?
 - a. I
 - b. II
2. What volume should be administered per one dose? (round to one decimal place)

3. Order: Sodium Oxacillin 375 mg po q 12 hr.

Supply:

BRISTOL
NDC XXX-YYYY
200 mL BOTTLE

Prostaphlin
OXACILLIN SODIUM
FOR ORAL SOLUTION
250 mg per 5 mL

What volume should be administered per one dose? (round to one decimal place)

4. Order: Ampicillin 250 mg po q6 hr

Supply:

SQUIBB
NDC XXX-YYYY
250 mg. per 5 mL
PRINCIPEN 250
Ampicillin for
ORAL SUSPENSION U.S.P.

What volume should be administered per one dose. (round to one decimal place)

5. Order: Hetacillin 250 mg po q 8 hrs

Supply:

BRISTOL
NDC XXX-YYYY
VERSAPEN
HETACILLIN
FOR ORAL SUSPENSION
112.5 mg per 5 mL

What should be administered per one dose? (round to one decimal place)

6. Order: Potassium Pen. G 350,000 u po q 6 hr

Supply:

I

II

Lilly
NDC XXX-YYYY
POTASSIUM
PENICILLIN G
TABLETS, U.S.P.
100,000 UNITS
Scored Tablet

NDC XXX-YYYY
Lilly
DURACILLIN A.S.
STERILE PENICILLIN G
PROCAINE SUSPENSION
U.S.P
300,000 units per mL

What volume should be administered per on dose?

Which supply?

7. Order: Ampicillin 250 mg IM q 8 hr

Supply:

I

II

SQUIBB
NDC XXX-YYYY
250 mg. per 5 ml.
PRINCIPEN 250
Ampicillin for
ORAL SUSPENSION U.S.P.

Wyeth
NDC XXX-YYYY
Omnipen
(ampicillin sodium)
Injection
125mg per 1 mL

What volume should be administered per one dose? (round to one decimal place)

Which supply?

8. Order: Seconal 1 ½ gr IM q hs

Supply:

AMPOULE No. 616 NDC XXX-YYYY
Lilly
SECONAL SODIUM
50 mg (3/4gr) per mL

What volume should be administered per one dose? (round to one decimal place)

9. Order: Pancreatin 10 gr po TID c meals

Supply:

NDC XXX-YYYY
Lilly
PANCREATIN TABLETS, NF
TRIPLE STRENGTH
5gr
(325 MG)

What volume should be administered per one dose?

10. Order: Potassium Chloride 10 gr po QD

Supply:

NDC XXX-YYYY
100 ENSEALS No. 22
Lilly
POTASSIUM CHLORIDE
TABLETS
(ENTERIC)
5gr
(300mg)

What volume should be administered per one dose?

11. Order: Keflin 375 mg IM q 6 hr

Supply:

Lilly NDC XXX-YYYY
KEFLIN
SODIUM CEPHALOTHIN
Injection
0.5 Gm per 2.2 mL

What volume should be administered per one dose? (round to one decimal place)

12. Order: Kantrex 750 mg IM q 12 hr

Supply:

NDC XXX-YYYY
WYETH
Kantrex
KANAMYCIN SULFATE Injection
0.5 Gm per 2 ml

What volume should be administered per one dose? (round to one decimal place)

13. Order: Morphine 10 mg IM q 4 hr

Supply:

NDC XXX-YYYY
Lilly
Morphine Injection
15 mg($\frac{1}{4}$ gr) per 1 mL
POISON

What volume should be administered per one dose? (round to one decimal place)

14. Order: Methadone 5 mg IM q 4 hr prn

Supply:

Lilly NDC XXX-YYYY
POISON
DOLOPHINE HYDROCHLORIDE
METHADONE HYDROCHLORIDE
INJECTION U.S.P.
10 mg. per mL

What volume should be administered per one dose? (round to one decimal place)

15. Order: Diethyl-Stilbestrol 1 mg po QD

Supply:

Lilly NDC XXX-YYYY
DIETHYL-STILBESTROL
TABLETS, USP
(Enteric)
0.25 mg

What volume should be administered per one dose?

16. Order: Hydrodiuril 75 mg po QD

Supply:

NDC XXX-YYYY
MSD
HYDRODIURIL
50 mg.
Scored Tablets

What volume should be administered per one dose?

17. Order: Phenobarbital $\frac{1}{2}$ gr po TID

Supply:

NDC XXX-YYYY
PHENOBARBITAL
TABLETS U.S.P.
15 mg (1/4 gr.)

What volume should be administered per one dose?

18. Order: Colchicine $\frac{1}{200}$ gr po QID

Supply:

NDC XXX-YYYY
Lilly
POISON
COLCHICINE
TABLETS, U.S.P.
0.6 mg (1/100 gr)
Scored

What volume should be administered per one dose?

19. Order: Betalin 150 mcg IM QD

Supply:

NDC XXX-YYYY
BETALIN 12
CRYSTALLINE
100 mcg per mL

What volume should be administered per one dose?

20. Order: Decadron 3 mg IM q 8 hr

Supply:

NDC XXX-YYYY
Decadron
4 mg. per mL

What volume should be administered per one dose? (round to one decimal place)

21. Order: Codeine gr $\frac{1}{6}$ sc q 3-4 hr prn

Supply: Codeine gr $\frac{1}{4}$ per 1 mL

Calculate the volume per one dose.

22. Order: Codeine gr $\frac{1}{6}$ sc q 3-4 hr prn

Supply: Codeine gr $\frac{1}{4}$ per 1 mL

Calculate the maximum number of doses that could be given in 24 hours

23. Order: Compazine 25 mg pr now

Supply: Compazine 10 mg suppositories

Calculate the volume per one dose.

24. Order: Compazine 25 mg pr now

Supply: Compazine 10 mg suppositories

Can a nurse use this supply to administer the ordered dose?

25. Order: Sodium Staphcillin 1 Gm IM q 4hr
Supply: Sodium Staphcillin ampules add 2.5 mL Na Cl to yield a solution of 500 mg per 1.3 mL
Calculate the volume per one dose.
26. Order: Sodium Staphcillin 1 Gm IM q 4hr
Supply: Sodium Staphcillin ampules add 2.5 mL Na Cl to yield a solution of 500 mg per 1.3 mL
Calculate the total dosage per 24 hrs.
27. Order: Sodium Staphcillin 1 Gm IM q 4hr
Supply: Sodium Staphcillin ampules add 2.5 mL Na Cl to yield a solution of 500 mg per 1.3 mL
Calculate the number of doses to be given in 24 hrs.
28. Order: Meprobamate 400 mg po hs
Supply: Meprobamate 0.1 Gm tablets
Calculate the volume per one dose.
29. Order: Meprobamate 400 mg po hs
Supply: Meprobamate 0.1 Gm tablets
When will this medication be administered?
30. Order: Codeine gr II po q 4 hr prn
Supply: Codeine 60 mg (gr I) tabs
Calculate the volume per one dose.

31. Order: Premarin 0.625 mg po QD
Supply: Premarin 1.25 mg scored tabs
Calculate the volume per one dose.
32. Order: KCl 50 mEq po BID
Supply: KCl liq. 20 mEq per 15 mL
Calculate the volume per one dose.
33. Order: Ephedrine gr $1\frac{1}{8}$ po qd
Supply: Ephedrine 25 mg (gr $\frac{3}{8}$) tab
Calculate the volume per one dose.
34. Order: Vistaril 35 IM q 4 hr prn
Supply: Vistaril 100 mg per 2 mL
Calculate the volume per one dose.
35. Order: Drolban 60 mg IM now
Supply: Drolban 50 mg per 1 mL
Calculate the volume per one dose.
36. Order: Procaine Pen G 1.2 Gm IM q 6 hr
Supply: Procaine Pen G 300,000 u (250 mg) per 1 mL
Calculate the volume per one dose.
37. Order: Geopen 1.5 Gm IM q 12 hr
Supply: Geopen 5 Gm vial –add 7 mL of NaCl to yield a solution of

1 Gm/2 mL

Calculate the volume per one dose.

38. Order: Kefzol 1 Gm IM q 8 hr
Supply: Kefzol 10 Gm vials – add 30 mL of NaCl to yield a solution of 750 mg/2.5 mL
Calculate the volume per one dose.
39. Order: Mefoxin 2 Gm IM q 4 hr
Supply: Mefoxin 5 Gm vial – add 7.5 mL NaCl to yield a solution of 900 mg/1.3 mL
Calculate the volume per one dose.
40. Order: Mandol 1.3 Gm IM q 8 hr
Supply: Mandol 10 Gm vial- add 4.4 mL NaCl to yield a solution of 5 Gm/2.3 mL
Calculate the volume per one dose.
41. Order: Ampicillin 375 mg IM q 12 hr
Supply: Ampicillin 2 Gm vial – add 9 mL NaCl to yield a solution 0.5 Gm/5 mL
Calculate the volume per one dose.
42. Order: Oxacillin 1.75 Gm IM q 12 hr
Supply: Oxacillin 4 Gm vial – add 3.3 mL of NaCl to yield a solution of 750 mg/1.1 mL
Calculate the volume per one dose.
43. Order: Digoxin 0.375 mg po qd
Supply: Digoxin 0.25 mg scored tablets

Calculate the volume per one dose.

44. Order: Epinephrine 0.5 mg SC now
Supply: Epinephrine 1:1000 solution
Calculate the volume per dose to be administered using a TB syringe.
45. Order: Neostigmine 750 mcg sc
Supply: Neostigmine 1:4000 solution
Calculate the volume per one dose to be administered using a 3 mL syringe.
46. O: Isuprel 0.4 mg IM stat
S: Isuprel 1:5000 solution
Calculate the volume per one dose to be administered using a 3 mL syringe.
47. O: Ponthaline 75 mg IM
S: Ponthaline 1:20 solution
Calculate the volume per one dose to be administered using a 3 mL syringe.
48. O: Dextrose 750 mg IV now
S: Dextrose 50% solution
Calculate the volume per one dose to be administered using a 3 mL syringe.
49. O: Lidocaine 15 mg SC now
S: Lidocaine 2% solution
Calculate the volume per one dose to be administered using a 3 mL syringe.

50. O: Calcium gluconate 200 mg – add to IV stat
S: Calcium gluconate 10% solution
Calculate the volume per one dose to be administered using a 3 mL syringe.

51. O: Mg SO₄ 750 mg IV
S: Mg SO₄ 50 % solution
Calculate the volume per one dose to be administered using a 3 mL syringe.

Imperial Valley College
Division of Nursing and Health Technologies
Nursing 1C

Study Guide
Module A - Sections 3 & 4 - Med Profiles

1. The system used by many health care facilities for the distribution of medications to the individual floors/areas for the individual client based on the physician=s order is called the _____.

Medication Profiles are used to chart/document all medications. List the categories of medications that can

appear on each of the profiles below.

2. Profile 1 _____
3. Profile 2 _____
4. Profile 2 _____
5. Profile 2 _____
6. Profile 2 _____
7. IV Profile _____

Identify the three (3) items that must be present in order for a nurse to administer an experimental drug:

8. _____
9. _____
10. _____

List the two (2) uses of medication profiles that were discussed in class:

11. _____
12. _____

Identify the three (3) objectives of the individualized packed unit dose system:

13. _____
14. _____
15. _____

