

Notes



PRACTICE PROBLEMS

Calculate the correct number of tablets or capsules to be administered in the following problems using the labels or information provided. Use any of the methods presented to calculate the dosage. Remember to label your answers.

1. Order: Synthroid 0.025 mg p.o. every day.

Available: Scored tablets.

SAMPLE



3 0048-1040-03 9

NDC 0048-1040-03
NSN 6505-01-156-1807
Code 3P1043

SYNTHROID®
(Levothyroxine Sodium
Tablets, USP)

50 mcg (0.05 mg)

100 TABLETS

Caution: Federal (USA) law
prohibits dispensing without
prescription.

BASF Pharma

See full prescribing
information for dosage
and administration.

Dispense in a tight,
light-resistant container
as described in USP.

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

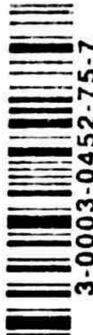
**Knoll Pharmaceutical
Company**
Mount Olive, NJ 07828
USA

7878-03

2. Order: Capoten 6.25 mg p.o. b.i.d.

Available: Tablets scored in fourths.

SAMPLE



3-0003-0452-75-7

1000 Tablets

NDC 0003-0452-75
6505-01-190-0669

25 mg

CAPOTEN®
(captopril
tablets, USP)

Rx only

Bristol-Myers Squibb Company

**Bulk Container—Not For Household
Dispensing • Dosage: See insert.
Each tablet contains 25 mg captopril.
Do not store above 86° F (30° C).
Keep tightly closed (protect from moisture).
Dispense in tight container.
US Patent: 5,238,924
Bristol-Myers Squibb Company
Princeton, NJ 08543 USA**

34-008128-01
C0428C / 045275

3. Order: Ethambutol 1.2 g p.o. daily.

Available:

NDC 0005-5084-62

Control No.

Do not use after

2044-92 07

100 TABLETS
ETHAMBUTOL
HYDROCHLORIDE
TABLETS
400 MG
LEDERLE



3 0005-5084-62 9

MYAMBUTOL®
ETHAMBUTOL HYDROCHLORIDE
TABLETS 400 MG
(Film Coated)

AVERAGE ADULT DAILY DOSAGE:
15 mg/kg or 25 mg/kg once every
24 hours. See enclosed circular.

CAUTION: Federal law prohibits
dispensing without prescription.

100 TABLETS

Dispense in tight containers
as defined in the USP.

LEDERLE

6505-00-812-2579
NDC 0005-5084-62

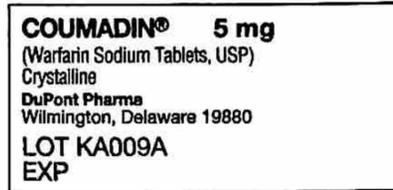
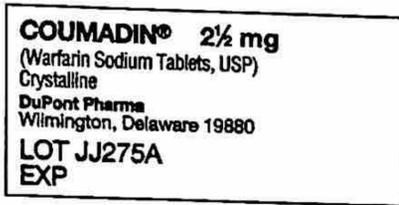
STORE AT CONTROLLED ROOM
TEMPERATURE 15°-30°C (59-86°F).

LEDERLE LABORATORIES DIVISION
A Division of Ciba-Geigy Company
Pearl River, NY 10865

Notes

4. Order: Coumadin 7.5 mg p.o. at bedtime.

Available: Scored tablets.



What would be the appropriate strength tablet to use?

5. Order: Lanoxin 0.125 mg p.o. daily.

Available: Scored tablets.



a. What is the appropriate strength tablet to use?

b. What will you prepare to administer?

6. Order: Ampicillin 1 g p.o. q6h.

Available: Ampicillin capsules labeled 500 mg and 250 mg.

a. Which strength capsule is appropriate to use?

b. How many capsules are needed for one dosage?

c. What is the total number of capsules needed if the medication is ordered for 7 days?

7. Order: Reglan 10 mg p.o. t.i.d. 1/2 hr a.c.

Available: Reglan tablets labeled 5 mg.

Notes

8. Order: Baclofen 15 mg p.o. t.i.d. × 3 days.

Available: Scored tablets.

NDC 0028-0023-61 FSC 2503
Lioresal[®] 10_{mg}
baclofen

100 tablets—Unit Dose

Caution: Federal law prohibits dispensing without prescription.

Geigy

a. How many tablets are needed for one dosage?

b. What is the total number of milligrams the client will receive in 3 days?

9. Order: Synthroid 0.075 mg p.o. every day.

Available: Synthroid scored tablets labeled 50 mcg.

10. Order: Calcium carbonate 1.3 g p.o. daily.

Available: Calcium carbonate tablets labeled 650 mg.

11. Order: Dilantin 90 mg p.o. t.i.d.

Available: Dilantin capsules labeled 30 mg.

12. Order: Tegretol 200 mg p.o. t.i.d.

Available:

NDC 0083-0052-30 FSC 1821
6505-01-153-4524

Tegretol[®] 100_{mg}
carbamazepine USP

Chewable Tablets

100 tablets
Dispense in tight, light-resistant container (USP).
Caution: Federal law prohibits dispensing without prescription.

Do not store above 86°F (30°C).
Dosage: See package insert.
Protect from light and moisture.
Ciba-Geigy Corporation
Pharmaceuticals Division
Summit, NJ 07901

Keep this and all drugs out of the reach of children.

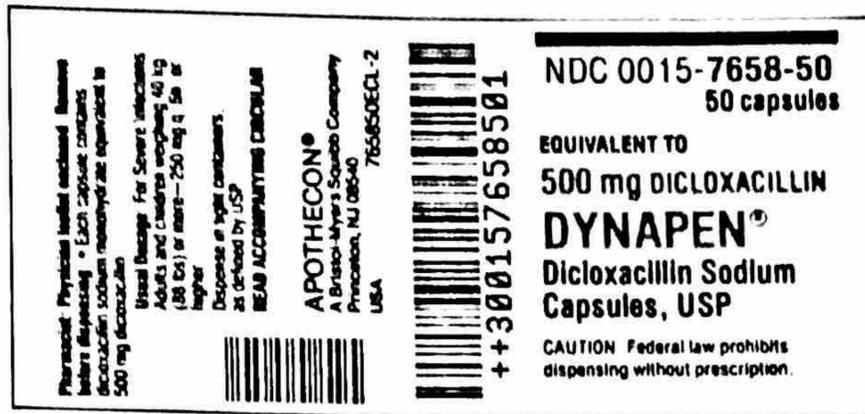
3 0083-0052-30 0

643330

How many tablets will you administer for each dosage?

13. Order: Dicloxacillin 1 g p.o. as an initial dose and 0.5 g p.o. q6h thereafter.

Available:

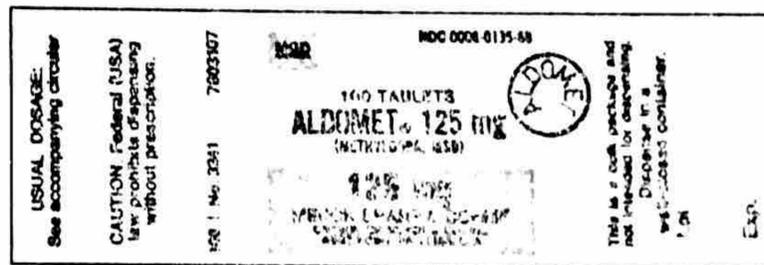


a. How many capsules will you need for the initial dosage? _____

b. How many capsules are needed for each subsequent dosage? _____

14. Order: Aldomet 250 mg p.o. b.i.d.

Available:



How many tablets will you administer for each dosage? _____

15. Order: Phenobarbital gr $1\frac{1}{2}$ p.o. at bedtime.

Available: Phenobarbital 15-mg tabs and 30-mg tabs.

a. Which strength tablet is best to administer? _____

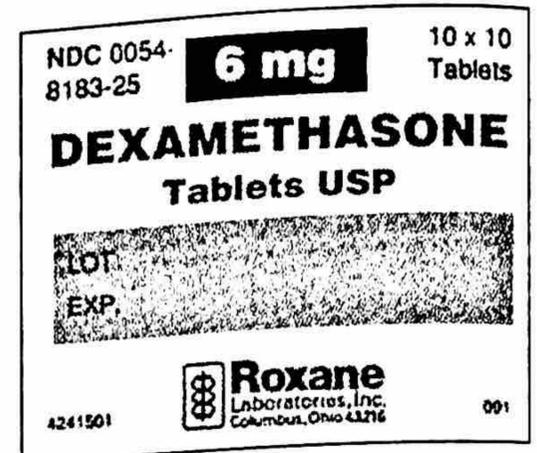
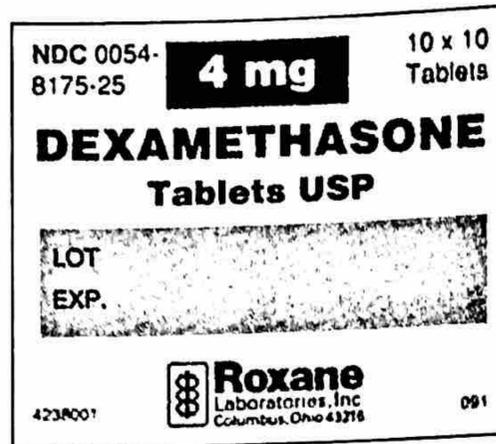
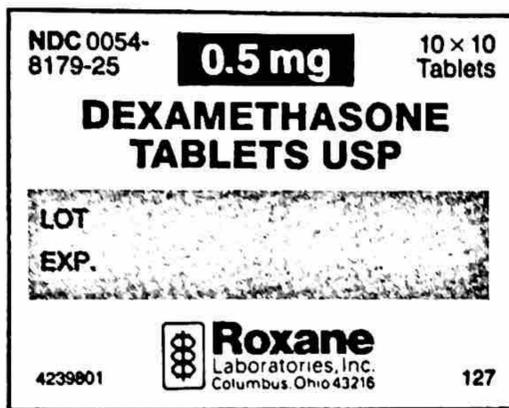
b. How many tablets of which strength will you prepare to administer? _____

Notes

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23. Order: Dexamethasone 6 mg p.o. daily.

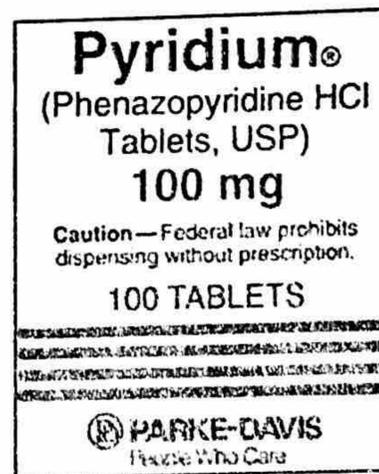
Available: Scored tablets.



a. How many tablets of which strength will you give?

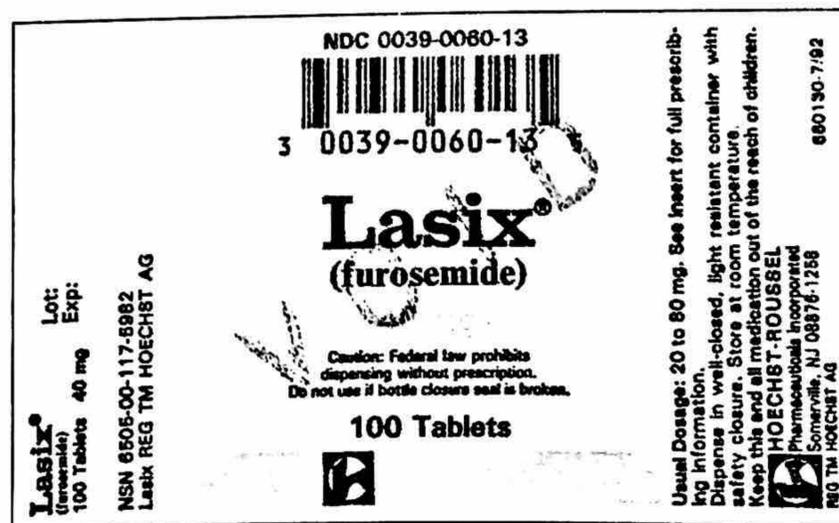
24. Order: Pyridium 0.2 g p.o. q8h.

Available:



25. Order: Lasix 60 mg p.o. stat.

Available: Scored tablets.



26. Order: Glyburide 2.5 mg p.o. daily.

Available: Scored Glyburide tablets labeled 5 mg.

How many tablets will you administer for each dosage?

27. Order: Cimetidine (Tagamet) 400 mg p.o. b.i.d.

Available:

Notes

Cimetidine Tablets, USP
200 mg
100 TABLETS
Rx only

Each tablet contains: Cimetidine, USP 200 mg
Usual Dosage: See package insert.
Store at controlled room temperature 15°-30°C (59°-86°F). Dispense in a tight, light-resistant container.
KEEP THIS AND ALL DRUGS OUT OF THE REACH OF CHILDREN.
Rev. 99-6M
Manufactured By
Geneva Pharmaceuticals, Inc.
Broomfield, CO 80020

Geneva pharmaceuticals, inc. **SPC 111111**

How many tablets will you administer for each dosage?

28. Order: Indocin SR 150 mg p.o. b.i.d.

Available:

Indocin[®] SR 75 mg
(indomethacin)
Rx only
60 Capsules

Each extended-release capsule contains:
indomethacin 75 mg

Manufactured for:
Forte Pharms
Laurelton, NY 11413

Manufactured by:
Eon Labs Manufacturing, Inc.
Laurelton, NY 11413

USUAL ADULT DOSAGE: See accompanying literature.
Store at controlled room temperature 15°-30°C (59°-86°F).
Protect from moisture.
KEEP TIGHTLY CLOSED
KEEP THIS AND ALL MEDICATION OUT OF THE REACH OF CHILDREN.

Rev. 07/99 MF 0695

FORTE PHARMA

NDC 64814-695-60

3 64814-695-60 0

How many capsules will you administer for each dosage?

29. Order: Sulfasalazine 1 g p.o. q6h.

Available:

Azulfidine[®]
sulfasalazine tablets, USP
500 mg
100 Tablets
Rx only

See package insert for complete product information.
Dispense in a well-closed container.
Store at 25°C (77°F); excursions 15°-30°C (59°-86°F)
MADE IN SWEDEN
Mfd. for: Pharmacia & Upjohn Co.
Kalamazoo, MI 49001, USA
by: Pharmacia & Upjohn AB
Stockholm, Sweden
102010899 51-0052-89/07

Pharmacia & Upjohn

NDC 0013-0101-01

THIS PACKAGE FOR HOUSEHOLDS WITHOUT YOUNG CHILDREN

3 0013-0101-01 2

Peel back for package insert

How many tablets will you administer for each dosage?

Notes

30. Order: Capoten 12.5 mg p.o. b.i.d.

Available: Scored Capoten tablets (quarters) labeled 25 mg.

a. How many tablets will you administer for each dosage?

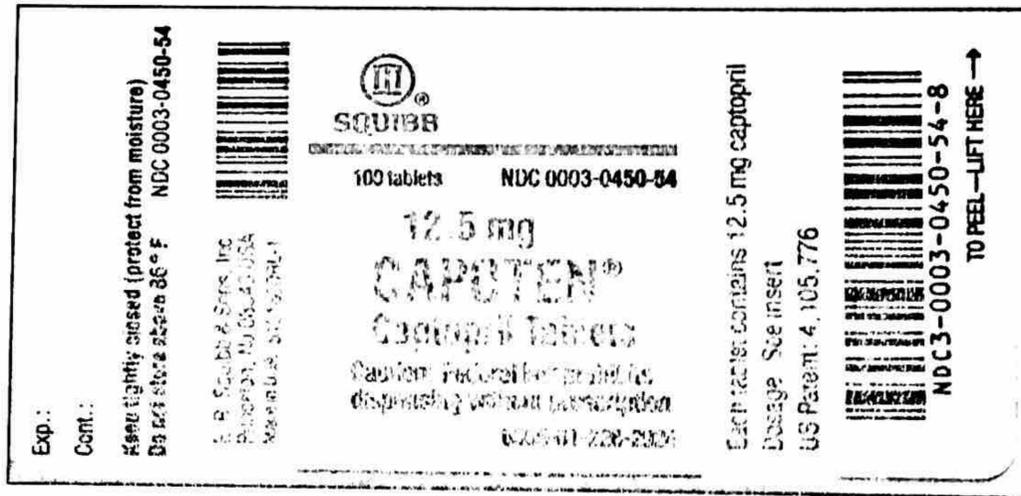
31. Order: Synthroid 100 mcg p.o. daily.

Available: Synthroid tablets labeled 75 mcg and 25 mcg.

How many tablets of which strength will you use to administer the dosage?

32. Order: Capoten 25 mg p.o. q8h.

Available:



33. Order: Clonazepam 0.25 mg p.o. b.i.d. and at bedtime.

Available: Scored tablets.



Notes

34. Order: Augmentin 0.25 g p.o. q8h.

Available:



250mg
NDC 0029-6075-27

AUGMENTIN®
AMOXICILLIN/CLAVULANATE
POTASSIUM TABLETS
AMOXICILLIN, 250 MG,
as the trihydrate
CLAVULANIC ACID, 125 MG,
as clavulanate potassium
30 Tablets

MSN 6505-91-263-0259
Use only if inner seal is intact.

Store at room temperature. Dispense in original container; advise patients to keep in closed container. Each tablet contains 250 mg amoxicillin as the trihydrate, 125 mg clavulanic acid as clavulanate potassium. **Dosage:** See accompanying prescribing information.
SmithKline Beecham Pharmaceuticals
Philadelphia, PA 19101
Rx only

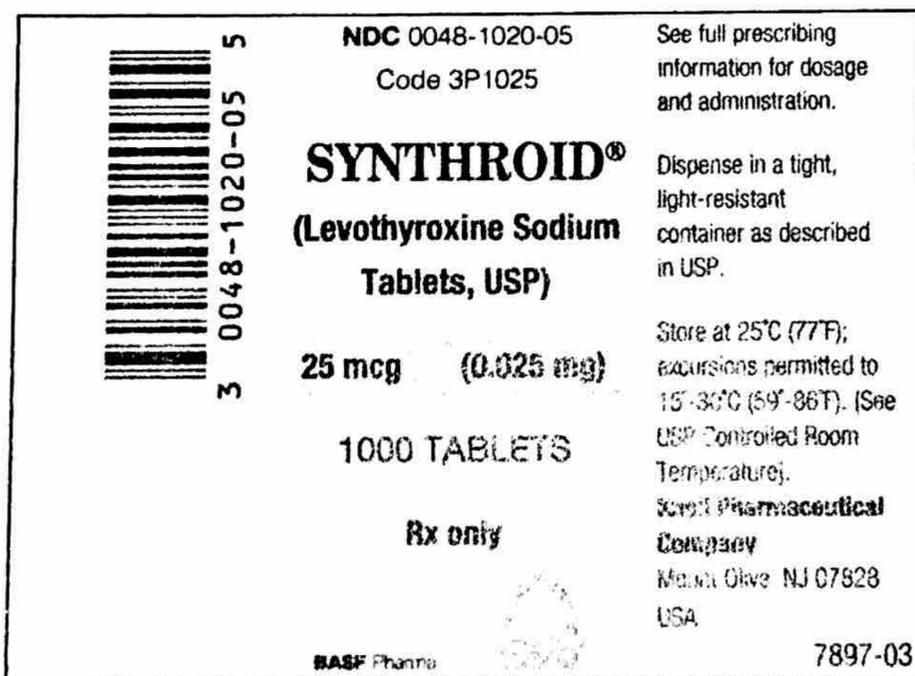
LOT
9406424-D
EXP.

3 0029-6075-27 1

SB SmithKline Beecham

35. Order: Synthroid 25 mcg p.o. every day.

Available:



3 0048-1020-05 5

NDC 0048-1020-05
Code 3P1025

SYNTHROID®
(Levothyroxine Sodium
Tablets, USP)

25 mcg (0.025 mg)

1000 TABLETS

Rx only

See full prescribing information for dosage and administration.

Dispense in a tight, light-resistant container as described in USP.

Store at 25°C (77°F); excursions permitted to 15°-30°C (59°-86°F). (See USP Controlled Room Temperature.)
Sandoz Pharmaceutical Company
Mantoloking, NJ 07828
USA

7897-03

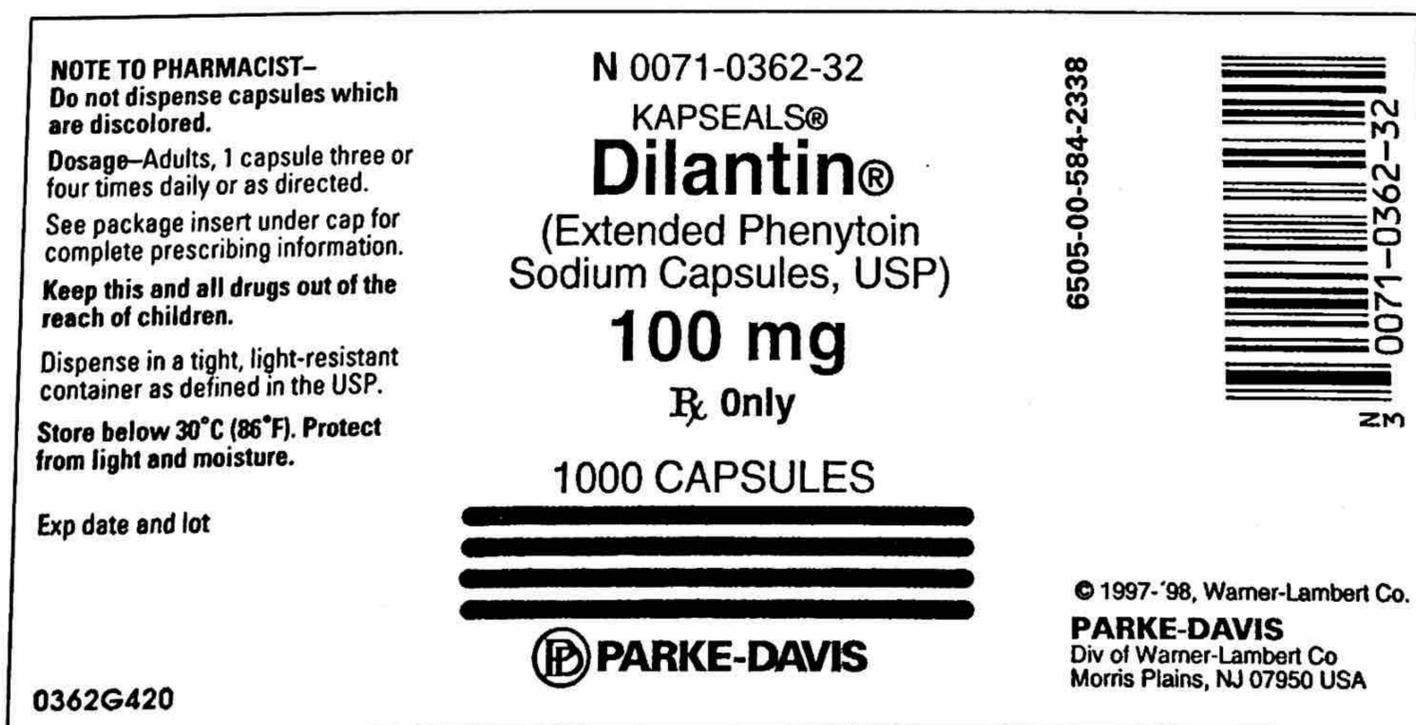
BASF Pharma

36. Order: Aspirin 650 mg p.o. q4h p.r.n.

Available: Aspirin tablets 325 mg.

37. Order: Dilantin extended capsules 0.2 g p.o. t.i.d.

Available:



NOTE TO PHARMACIST—
Do not dispense capsules which are discolored.
Dosage—Adults, 1 capsule three or four times daily or as directed.
See package insert under cap for complete prescribing information.
Keep this and all drugs out of the reach of children.
Dispense in a tight, light-resistant container as defined in the USP.
Store below 30°C (86°F). Protect from light and moisture.

Exp date and lot

0362G420

N 0071-0362-32
KAPSEALS®
Dilantin®
(Extended Phenytoin
Sodium Capsules, USP)
100 mg
Rx Only
1000 CAPSULES

6505-00-584-2338

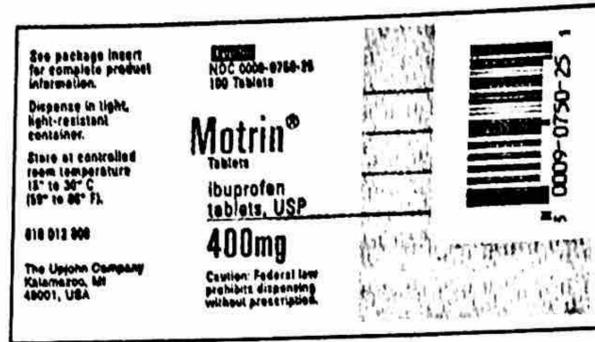
3 0071-0362-32

© 1997-'98, Warner-Lambert Co.
PARKE-DAVIS
Div of Warner-Lambert Co
Morris Plains, NJ 07950 USA

Notes

38. Order: Motrin 800 mg p.o. q6h p.r.n.

Available: _____

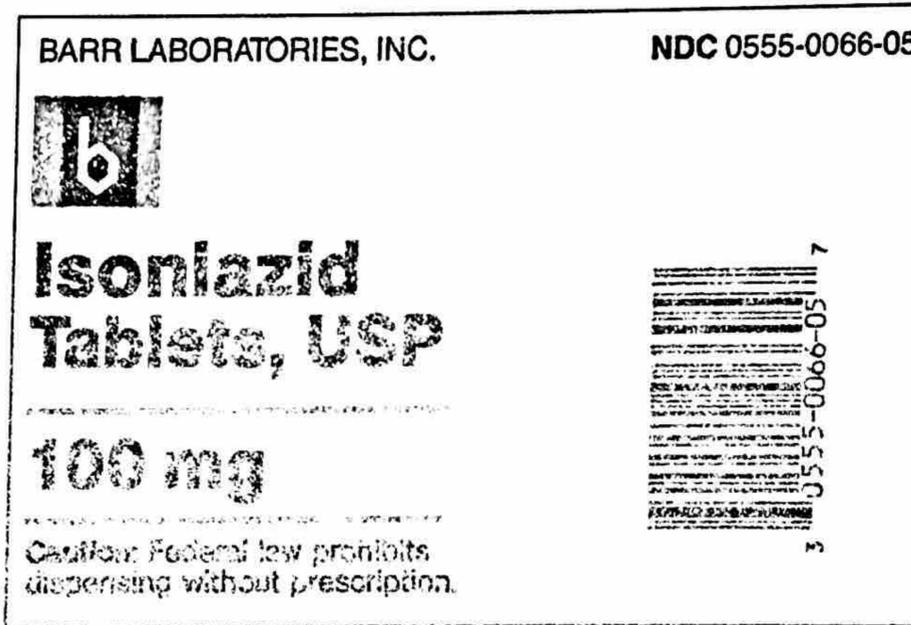


39. Order: Procardia XL 60 mg p.o. daily.

Available: Procardia XL labeled 30 mg per tablet. _____

40. Order: Isoniazid 0.3 g p.o. daily.

Available: _____



41. Order: Inderal LA 160 mg p.o. every day.

Available: Inderal LA capsules labeled 80 mg. _____

Answers on pp. 609-613

CALCULATING ORAL LIQUIDS

Medications are also available in liquid form for oral administration. Liquid medications are desirable to use for clients who have dysphagia (difficulty swallowing) or who are receiving medications through various types of tubes such as nasogastric (tube in nose to stomach), gastrostomy (tube placed directly into stomach), or jejunostomy (tube directly into intestines). Liquid medications are also desired for use in young children, infants, and elderly clients. When medications are ordered that cannot be crushed for administration, the availability of the medication in liquid form should be investigated. Medications in liquid form contain a specific amount or weight of a drug in a given amount of solution, which is indicated on the label. Liquid medications are prepared in different forms, as follows:

1. **Elixir**—Alcohol solution that is sweet and aromatic.
Example: Phenobarbital elixir.
2. **Suspension**—One or more drugs finely divided into a liquid such as water.
Example: Penicillin suspension.