

SEVENTH EDITION
**PHARMACEUTICAL
DOSAGE FORMS
AND DRUG
DELIVERY SYSTEMS**

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Contents

Preface	v
Acknowledgments	vii
Section I. PRINCIPLES OF DOSAGE FORM DESIGN AND DEVELOPMENT	
1 Introduction to Drugs and Pharmacy	1
2 New Drug Development and Approval Process	23
3 Dosage Form Design: Pharmaceutic and Formulation Considerations	60
4 Dosage Form Design: Biopharmaceutic and Pharmacokinetic Considerations	101
5 Current Good Manufacturing Practices and Good Compounding Practices	142
Section II. SOLID DOSAGE FORMS AND MODIFIED-RELEASE DRUG DELIVERY SYSTEMS	
6 Powders and Granules	164
7 Capsules and Tablets	179
8 Modified-Release Dosage Forms and Drug Delivery Systems	229
Section III. SEMI-SOLID AND TRANSDERMAL SYSTEMS	
9 Ointments, Creams, and Gels	244
10 Transdermal Drug Delivery Systems	263

Section IV. PHARMACEUTICAL INSERTS	
11 Suppositories and Inserts	279
Section V. LIQUID DOSAGE FORMS	
12 Solutions	296
13 Disperse Systems	346
Section VI. STERILE DOSAGE FORMS AND DELIVERY SYSTEMS	
14 Parenterals	397
15 Biologicals	450
16 Ophthalmic Solutions and Suspensions	469
Section VII. NOVEL AND ADVANCED DOSAGE FORMS, DELIVERY SYSTEMS, AND DEVICES	
17 Radiopharmaceuticals	487
18 Products of Biotechnology	503
19 Novel Dosage Forms and Drug Delivery Technologies	535
Appendix	
Systems and Techniques of Pharmaceutical Measurement	552
Index	563

CAPSULES AND TABLETS

Chapter at a Glance

Capsules

Hard Gelatin Capsules

- The Manufacture of Hard Gelatin Capsule Shells
- Capsule Sizes
- Preparation of Filled Hard Gelatin Capsules
- Developing the Formulation and Selection of Capsule Size
- Filling Hard Capsule Shells
- Capsule Sealing
- Cleaning and Polishing Capsules

Soft Gelatin Capsules

- Preparation of Soft Gelatin Capsules
- Utilization of Soft Gelatin Capsules

Compendial Requirements for Capsules

- Added Substances
- Containers for Dispensing Capsules
- Disintegration Test for Capsules
- Dissolution Test for Capsules
- Weight Variation
- Content Uniformity
- Content Labeling Requirement
- Stability Testing
- Moisture Permeation Test

Official and Commercially Available Capsules Inspecting, Counting, Packaging, and Storing Capsules

Tablets

Types of Tablets

- Compressed Tablets (C.T.)
- Multiple Compressed Tablets (M.C.T.)
- Sugar-Coated Tablets (S.C.T.)
- Film Coated Tablets (F.C.T.)
- Gelatin-Coated Tablets
- Enteric-Coated Tablets (E.C.T.)
- Buccal or Sublingual Tablets
- Chewable Tablets

Effervescent Tablets

- Molded Tablets (M.T.)
- Tablet Triturates (T.T.)
- Hypodermic Tablets (H.T.)
- Dispensing Tablets (D.T.)
- Immediate Release Tablets (I.R.)
- Instant Disintegrating/Dissolving Tablets
- Extended Release Tablets (E.R.)
- Vaginal Tablets

Compressed Tablets

- Quality Standards and Compendial Requirements
- Compressed Tablet Manufacture
- Wet Granulation
- All-in-One Granulation Methods
- Dry Granulation
- Tableting of Granulation
- Direct Compression Tableting
- Tablet Dedusting

Chewable Tablets

Molded Tablets

Tablet Coating

- Sugarcoating Tablets
- Film-coating Tablets
- Enteric Coating
- Fluid-Bed or Air Suspension Coating
- Compression Coating

Impact of Manufacturing Changes on Solid Dosage Forms

Official and Commercially Available Tablets

Packaging and Storing Tablets

Oral Administration of Solid Dosage Forms

Other Solid Dosage Forms for

Oral Administration

- Lozenges
 - Pills
-

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