

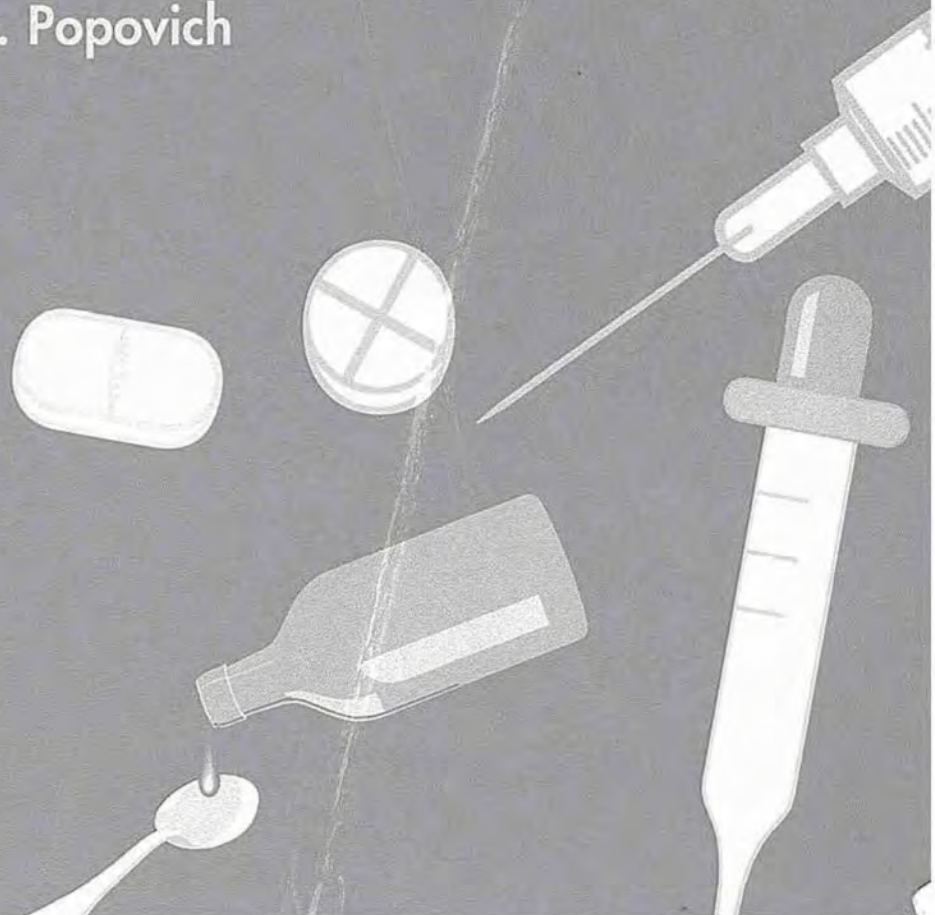
SEVENTH EDITION

PHARMACEUTICAL DOSAGE FORMS AND DRUG DELIVERY SYSTEMS

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SOLUTIONS

Chapter at a Glance

Solubility

Inorganic Molecules
Organic Molecules

Some Solvents For Liquid Preparations

Distillation Method
Ion-exchange method
Reverse Osmosis

Preparation of Solutions

Oral Solutions and Preparations for Oral Solution

Dry Mixtures for Solution
Oral Solutions
Oral Rehydration Solutions
Oral Colonic Lavage Solution
Magnesium Citrate Oral Solution
Sodium Citrate and Citric Acid Oral Solution

Syrups

Components of Syrups

Sucrose and Non-Sucrose Based Syrups
Antimicrobial Preservatives
Flavorant
Colorant

Preparation of Syrups

Solution with the Aid of Heat
Solution by Agitation without the Aid of Heat
Addition of Sucrose to a Medicated Liquid or to a Flavored Liquid
Percolation

Elixirs

Preparation of Elixirs

Nonmedicated Elixirs

Medicated Elixirs

Antihistamine Elixirs
Barbiturate Sedative/Hypnotic Elixirs
Phenobarbital Elixir
Digoxin Elixir

Tinctures

Proper Administration and Use of Liquid

Peroral Dosage Forms

Topical Solutions and Tinctures

Topical Solutions

Sprays
Aluminum Acetate Topical Solution
Aluminum Subacetate Topical Solution

Calcium Hydroxide Topical Solution

Coal Tar Topical Solution

Hydrogen Peroxide Topical Solution

Chlorhexidine Gluconate Solution

Povidone-Iodine Topical Solution

Thimerosal Topical Solution

Vaginal and Rectal Solutions

Vaginal Douches

Retention Enemas
Evacuation Enemas

Topical Tinctures

Iodine Tincture
Compound Benzoin Tincture
Thimerosal Tincture

Special Application Solutions

Nasal Preparations

Nasal Decongestant Solutions
Inhalation Solutions
Examples of Medicated Inhalation Solutions

Inhalants

Amyl Nitrite Inhalant
Propylhexedrine Inhalant

Proper Administration and Use of Nasal

Drops and Sprays
Nasal Route for Systemic Effects

Otic Solutions

Cerumen-Removing Solutions
Anti-infective, Anti-inflammatory, and Analgesic Ear Preparations

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