

# RESPIRATORY VIRUSES

PAUL D. OLIVO

*Apath, LLC,  
St. Louis, Missouri*

- 1 INTRODUCTION
- 2 SEASONAL PATTERNS
- 3 PUBLIC HEALTH AND ECONOMIC IMPACT
- 4 CONTROL OF VIRAL RESPIRATORY INFECTIONS
- 5 SPECIFIC VIRUS PATHOGENS
  - Picornaviridae
  - Coronaviridae
  - Paramyxoviridae
  - Orthomyxoviridae
  - Bunyaviridae
  - Adenoviridae
  - Herpesviridae
- 6 MAJOR CLINICAL SYNDROMES
  - Common Cold
  - Pharyngitis
  - Laryngitis
  - Acute Laryngotracheobronchitis (Croup)
  - Tracheitis and Tracheobronchitis
  - Bronchiolitis
  - Pneumonia
- 7 DIAGNOSIS OF VIRAL RESPIRATORY INFECTION
- 8 EXISTING ANTIVIRAL THERAPY
- 9 CHALLENGES OF ANTIVIRAL THERAPY FOR RESPIRATORY VIRUS INFECTIONS
- 10 STRATEGIES FOR DEVELOPMENT OF ANTIVIRAL THERAPY

---

*Pharmaceutical Sciences Encyclopedia: Drug Discovery, Development, and Manufacturing*  
Edited by Shayne C. Gad  
Copyright © 2010 John Wiley & Sons, Inc.