

# Contents

## Section I CVB Genetics

<b>Coxsackieviruses and Quasispecies Theory: Evolution of Enteroviruses</b> . . . . .	3
E. Domingo, V. Martin, C. Perales, and C. Escarmis	
<b>Comparative Genomics of the Coxsackie B Viruses and Related Enteroviruses</b> . . . . .	33
M. S. Oberste	
<b>Group B Coxsackievirus Virulence</b> . . . . .	49
S. Tracy and C. Gauntt	

## Section II CVB Entry and Replication

<b>The Coxsackievirus and Adenovirus Receptor</b> . . . . .	67
P. Freimuth, L. Philipson, and S. D. Carson	
<b>Coxsackievirus B RNA Replication: Lessons from Poliovirus</b> . . . . .	89
P. Sean and B. L. Semler	
<b>CVB Translation: Lessons from the Polioviruses</b> . . . . .	123
J. M. Bonderoff and R. E. Lloyd	
<b>Preferential Coxsackievirus Replication in Proliferating/ Activated Cells: Implications for Virus Tropism, Persistence, and Pathogenesis</b> . . . . .	149
R. Feuer and J. L. Whitton	

## Section III Host-Virus Interaction

<b>The Impact of CVB3 Infection on Host Cell Biology</b> . . . . .	177
D. Marchant, X. Si, H. Luo, B. McManus, and D. Yang	

<b>Host Immune Responses to Coxsackievirus B3</b> .....	199
S. Huber	
<b>Pediatric Group B Coxsackievirus Infections</b> .....	223
J. R. Romero	
<b>CVB-Induced Pancreatitis and Alterations in Gene Expression</b> .....	241
A. I. Ramsingh	
<b>The CVB and Etiology of Type 1 Diabetes</b> .....	259
K. M. Drescher and S. M. Tracy	
<b>Persistent Coxsackievirus Infection: Enterovirus Persistence in Chronic Myocarditis and Dilated Cardiomyopathy</b> .....	275
N. M. Chapman and K.-S. Kim	
<b>Autoimmunity in Coxsackievirus Infection</b> .....	293
N. R. Rose	
<b>CVB Infection and Mechanisms of Viral Cardiomyopathy</b> .....	315
K. U. Knowlton	
<b>Index</b> .....	337

Group B Coxsackieviruses

Tracy, S.; Oberste, M.S.; Drescher, K.M. (Eds.)

2008, XIX, 340 p., Hardcover

ISBN: 978-3-540-75545-6