

Contents

Section I CVB Genetics

Coxsackieviruses and Quasispecies Theory:	
Evolution of Enteroviruses	3
E. Domingo, V. Martin, C. Perales, and C. Escarmis	

Comparative Genomics of the Coxsackie B Viruses and Related Enteroviruses	33
M. S. Oberste	

Group B Coxsackievirus Virulence	49
S. Tracy and C. Gauntt	

Section II CVB Entry and Replication

The Coxsackievirus and Adenovirus Receptor.....	67
P. Freimuth, L. Philipson, and S. D. Carson	

Coxsackievirus B RNA Replication: Lessons from Poliovirus	89
P. Sean and B. L. Semler	

CVB Translation: Lessons from the Polioviruses.....	123
J. M. Bonderoff and R. E. Lloyd	

Preferential Coxsackievirus Replication in Proliferating/ Activated Cells: Implications for Virus Tropism, Persistence, and Pathogenesis	149
R. Feuer and J. L. Whitton	

Section III Host-Virus Interaction

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

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