
Contents

Preface	v
Contributors	xi

PART I. INTRODUCTION

1 Introduction to Plant Virology Bradley I. Hillman	3
2 Introduction to Classical Crossprotection Ron S. S. Fraser	13
3 History of Coat Protein-Mediated Protection Eric D. Miller and Cynthia Hemenway	25

PART II. VIRUS ISOLATION, RNA EXTRACTION, AND LOCATION OF COAT PROTEIN GENES

4 Geminivirus Isolation and DNA Extraction Kenneth E. Palmer, Wendelin H. Schnippenkoetter, and Edward P. Rybicki	41
5 Caulimovirus Isolation and DNA Extraction Simon N. Covey, Rob J. Noad, Nadia S. Al-Kaff, and David S. Turner	53
6 Reovirus Isolation and RNA Extraction Ichiro Uyeda, Bong-Choon Lee, Yuko Ando, Haruhisa Suga, Yun-Kun He, and Masamichi Isogai	65
7 Procedures for Plant Rhabdovirus Purification, Polyribosome Isolation, and Replicase Extraction Andrew O. Jackson and John D. O. Wagner	77
8 Hordeivirus Isolation and RNA Extraction Diane M. Lawrence and Andrew O. Jackson	99
9 Furovirus Isolation and RNA Extraction Salah E. Bouzoubaa	107
10 Tobravirus Isolation and RNA Extraction Sally C. Taylor	115