
Contents

<i>Preface</i>	<i>vii</i>
<i>Contributors</i>	<i>xiii</i>
1 Current Trends and Alternative Scenarios in EBV Research	1
<i>Janos Minarovits and Hans Helmut Niller</i>	
2 Epstein-Barr Virus: Clinical Diagnostics	33
<i>Hans-Helmut Niller and Georg Bauer</i>	
3 Establishment of EBV-Infected Lymphoblastoid Cell Lines	57
<i>Noemi Nagy</i>	
4 Generation and Infection of Organotypic Cultures with Epstein-Barr Virus. . .	65
<i>Rachel M. Temple, Craig Meyers, and Clare E. Sample</i>	
5 Affinity Purification–Mass Spectroscopy Methods for Identifying Epstein–Barr Virus–Host Interactions	79
<i>Anna A. Georges and Lori Frappier</i>	
6 The Use of 3D Telomere FISH for the Characterization of the Nuclear Architecture in EBV-Positive Hodgkin’s Lymphoma	93
<i>Hans Knecht and Sabine Mai</i>	
7 Analysis of EBV Transcription Using High-Throughput RNA Sequencing . . .	105
<i>Tina O’Grady, Melody Baddoo, and Erik K. Flemington</i>	
8 Analysis of Viral Promoter Usage in EBV-Infected Cell Lines: A Comparison of qPCR Following Conventional RNA Isolation and Nuclear Run-On Assay	123
<i>Kalman Szenthe and Ferenc Banati</i>	
9 Analysis of Viral and Cellular MicroRNAs in EBV-Infected Cells	133
<i>Rebecca L. Skalsky</i>	
10 Isolation and Characterization of Exosomes Released by EBV-Immortalized Cells	147
<i>Gulfaraz Khan and Waqar Ahmed</i>	
11 Functional Analysis of Exosomes Derived from EBV-Infected Cells	159
<i>Gulfaraz Khan and Pretty S. Philip</i>	
12 Terminal Repeat Analysis of EBV Genomes	169
<i>Ferenc Bánáti, Anita Koroknai, and Kálmán Szenthe</i>	
13 Characterization of EBV Promoters and Coding Regions by Sequencing PCR-Amplified DNA Fragments	179
<i>Kalman Szenthe and Ferenc Bánáti</i>	
14 The Use of Chromatin Precipitation Coupled to DNA Sequencing (ChIP-Seq) for the Analysis of Zta Binding to the Human and EBV Genome	191
<i>Anja Godfrey, Sharada Ramasubramanyan, and Alison J. Sinclair</i>	

15	Analysis of Viral Epigenotypes Using Bisulfite Sequencing: A Detailed Protocol for the Crucial Bisulfite Modification and PCR Amplification Steps	207
	<i>Daniel Salamon</i>	
16	Analysis of Viral Epigenotypes Using Chromatin Immunoprecipitation	215
	<i>Ferenc Bánáti and Kálmán Szenthe</i>	
17	Mice with Reconstituted Human Immune System Components as a Tool to Study Immune Cell Interactions in EBV Infection	229
	<i>Frank Heuts and Noemi Nagy</i>	
18	Generation and Analysis of Humanized Mouse Model of EBV Infection	241
	<i>Ken-Ichi Imadome and Shigeyoshi Fujiwara</i>	
19	EBV-Directed T Cell Therapeutics for EBV-Associated Lymphomas	255
	<i>Lauren P. McLaughlin, Stephen Gottschalk, Cliona M. Rooney, and Catherine M. Bollard</i>	
	<i>Index</i>	267

Epstein Barr Virus

Methods and Protocols

Minarovits, J.; Niller, H.H. (Eds.)

2017, XIV, 269 p. 22 illus., 21 illus. in color., Hardcover

ISBN: 978-1-4939-6653-0

A product of Humana Press