

Contents

1	Live Attenuated Viral Vaccines	1
	Mark S. Galinski, Kuldip Sra, John I. Haynes II and Jennifer Naspinski	
2	Inactivated Viral Vaccines.	45
	Barbara Sanders, Martin Koldijk and Hanneke Schuitemaker	
3	Recombinant Virus-like Particle Protein Vaccines	81
	Robert D. Sitrin, Qinqian Zhao, Clinton S. Potter, Bridget Carragher and Michael W. Washabaugh	
4	Analysis of Influenza Vaccines.	113
	Pierre-Alain Moisset, Jeffrey Pederson and Nathalie Landry	
5	Live-Attenuated and Inactivated Whole-Cell Bacterial Vaccines.	139
	Anita H.J. van den Biggelaar and Jan T. Poolman	
6	Analytical Control Strategy of Bacterial Subunit Vaccines	187
	Shwu-Maan Lee, Vincent Turula, Bradford Powell, Mikkel Nissum, Mariagrazia Pizza, Claudia Magagnoli and Niranjan M. Kumar	
7	Bacterial Polysaccharide Vaccines: Analytical Perspectives	271
	Earl Zablackis, Philippe Talaga and Suddham Singh	
8	Glycoconjugate Vaccines.	301
	Neil Ravenscroft, Paolo Costantino, Philippe Talaga, Roberto Rodriguez and William Egan	

9	Vaccines in Research and Development: New Production Platforms and New Biomolecular Entities for New Needs	383
	John P. Hennessey Jr. and Niranjan Y. Sardesai	
10	Role of Analytics in Viral Safety	397
	Rebecca L. Sheets and Paul A. Duncan	
11	Deep Sequencing Applications for Vaccine Development and Safety	445
	David Onions, Colette Côté, Brad Love and John Kolman	
12	Quality-by-Design: As Related to Analytical Concepts, Control and Qualification	479
	Beth Junker, Earl Zablackis, Thorsten Verch, Tim Schofield and Pierre Douette	
13	Vaccine Potency Assays	521
	Todd Ranheim, Ned Mozier and William Egan	
14	Establishing a Shelf Life and Setting Lot-Release Specifications	543
	William Egan and Timothy Schofield	
15	Vaccine Reference Standards	563
	Brian K. Nunnally	
16	Lot Release of Vaccines by Regulatory Authorities and Harmonization of Testing Requirements	573
	Rajesh K. Gupta, Chander K. Gupta and Laurent Mallet	
17	Dendritic Cell Targeting Vaccines	597
	Yoonkyung Do and Bradford Powell	
	Index	661

Vaccine Analysis: Strategies, Principles, and Control

Nunnally, B.K.; Turula, V.E.; Sitrin, R.D. (Eds.)

2015, XII, 665 p. 124 illus., 76 illus. in color., Hardcover

ISBN: 978-3-662-45023-9