1. Record Nr. UNINA9910961410503321

Titolo	Handbook of animal models of infection : experimental models in antimicrobial chemotherapy / / edited by Oto Zak, Merle Sande
Pubbl/distr/stampa	San Diego, CA, : Academic Press, c1999
ISBN	1-281-79561-5 9786611795610 0-08-053355-8
Edizione	[1st ed.]
Descrizione fisica	1 online resource (1169 p.)
Altri autori (Persone)	ZakOto SandeMerle A. <1939-2007.>
Disciplina	615.329 615.5/8 21 615.58 616.90461
Soggetti	Animal models in research Infection - Chemotherapy - Animal models - Evaluation Communicable diseases - Chemotherapy - Animal models - Evaluation Disease Models, Animal Anti-Bacterial Agents - therapeutic use Communicable Diseases - drug therapy Ethics, Medical
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Handbook of Animal Models of Infection; Copyright Page; Contents; List of Section Editors; List of Contributors; Preface; Introduction: The Role of Animal Models in the Evaluation of New Antibodies; Section I: INTRODUCTORY BACKGROUND TO ANIMAL MODELS OF INFECTION; Chapter 1. Early History of Animal Models of Infection; Chapter 2. General Methodologies for Animal Models; Chapter 3. Ethics Committees in Europe-An Overview; Chapter 4. Animal Care and Use Committees-An American Perspective; Chapter 5. Ethical Aspects of the Use of Animal Models of Infection Chapter 6. The Impact of General Laboratory Animal Health on

Experimental Models in Antimicrobial ChemotherapyChapter 7. Non-invasive Monitoring of Infection and Gene Expression in Living Animal Models; Chapter 8. Considerations for Working Safely with Infectious Disease Agents in Research Agents; Chapter 9. Analysis of Genetic Susceptibility to Infection in Mice; Chapter 10. Formulation of Compounds and Determination of Pharmacokinetic Parameters; Chapter 11. Methods for Obtaining Human-like Pharmacokinetic Patterns in Experimental Animals
Chapter 12. Modes of Action of Antibiotics and Bacterial Structure: Bacterial Mass Versus their NumbersChapter 13. Activity of Antibiotics Against Adherent/Slow-growing Bacteria Reflecting the Situation in vivo; Section II: BACTERIAL INFECTION MODELS; Chapter 14. The Mouse Peritonitis/Sepsis Model; Chapter 15. Murine Thigh Infection Model; Chapter 16. Mouse Subcutaneous Cotton Thread Model; Chapter 17. Infection after Ionizing Radiation; Chapter 18. Intra-abdominal Abscess; Chapter 19. Mouse Peritonitis Model Using Cecal Ligation and Puncture
Chapter 20. Murine Models of Peritonitis Involving a Foreign BodyChapter 21. Rat Polymicrobial Peritonitis Infection Model; Chapter 22. Murine Thigh Suture Model; Chapter 23. Animal Models of Melioidosis; Chapter 24. Low Inoculum Model of Clean Wound Infection; Chapter 25. Translocation of Gut Bacteria During Trauma; Chapter 26. Mouse Models of Campylobacter jejuni Infection; Chapter 27. Suckling Mouse Model of Enterotoxigenic Escherickia coli Infection; Chapter 28. Rabbit Model of Shigellosis; Chapter 29. RITARD Rabbit Model for Studying Vibrio cholerae and Other Enteric Infections
Chapter 30. Mouse Model of Helicobacter priori InfectionChapter 31. Animal Models of Helicobacter (ferrets); Chapter 32. Hamster Model of Syphilis; Chapter 33. Guinea-pig Model of Acquired and Congenital Syphilis; Chapter 34. The Guinea-pig Model of Legionnaires Disease; Chapter 35. Murine Models of Tuberculosis; Chapter 36. Beige Mouse Model of Disseminated Mycobacterium avium Complex Infection; Chapter 37. The Armadillo Leprosy Model, with Particular Reference to Lepromatous Neuritis; Chapter 38. Models of Leprosy Infection in Mice; Chapter 39. Hamster Model of Lyme Arthritis
Chapter 40. Rabbit Model of Bacterial Conjunctivitis

Sommario/riassunto

Handbook of Animal Models of Infection is a complete revision of a three-volume text that was published in 1986. It incorporates the major advances in the field during the past decade, in particular those concerning molecular biological procedures and new models that have been developed. It focuses on both methods and techniques, which makes it an essential and comprehensive reference as well as a benchtop manual. The Handbook will help investigators save time and effort in formulating an approach to test a new potential therapeutic agent or combination of agents for in vivo</