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Nota di contenuto	History of biological agents as weapons / James W. Martin -- Bioterrorism and biowarfare : similarities and differences / Nelson W. Rebert -- Scientific and ethical importance of animal models in biodefense research / James R. Swearengen and Arthur O. Anderson -- Development and validation of animal models / Jaime B. Anderson and Kenneth Tucker -- Infectious disease aerobiology : aerosol challenge methods / Chad J. Roy and Louise M. Pitt -- Characterization of new and advancement of existing animal models of bacillus anthracis infection / Elizabeth K. Leffel and Louise M. Pitt -- Glanders / David L. Fritz and David M. Waag -- Plague / Jeffery J. Adamovicz and Patricia L. Worsham -- Tularemia / Jeffery J. Adamovicz and David M. Waag -- Q fever / David M. Waag and David L. Fritz -- Brucellosis / Bret K. Purcell and Robert Rivard -- Alphaviruses / William D. Pratt ... [et al.] --

Orthopoxviruses / Peter B. Jahrling and Victoria Wahl-Jensen -- Animal models for viral hemorrhagic fevers / Kelly I. Warfield and Thomas W. Geisbert -- Botulinum toxins / Stephen B. Greenbaum, Jaime B. Anderson, and Frank J. Lebeda -- Ricin / Stephen B. Greenbaum and Jaime B. Anderson -- Staphylococcal and streptococcal superantigens : in vitro and in vivo assays / Teresa Krakauer and Bradley G. Stiles.

Sommario/riassunto

Significant advances have been made in animal model development for biological research since the publication of the first edition of this volume, and the ramifications of the FDA's Animal Efficacy Rule have become better understood in the scientific community. With each chapter completely updated with the latest research findings, Biodefense Research Methodology and Animal Models, Second Edition spans the spectrum of coverage from basic research to advanced development of medical countermeasures. Topics discussed in this volume include: A history
