

1. Record Nr.	UNINA9910461642203321
Titolo	The laboratory rabbit, guinea pig, hamster, and other rodents [[electronic resource] /] / edited by Mark A. Suckow, Karla A. Stevens, Ronald P. Wilson
Pubbl/distr/stampa	London, : Elsevier, 2012
ISBN	1-283-39404-9 9786613394040 0-12-380921-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (1289 p.)
Collana	American College of Laboratory Animal Medicine series
Altri autori (Persone)	SuckowMark A StevensKarla A WilsonRonald P
Disciplina	636.0885 636.932
Soggetti	Laboratory animals Rabbits as laboratory animals Guinea pigs as laboratory animals Hamsters as laboratory animals Electronic books.
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; The Laboratory Rabbit, Guinea Pig, Hamster, and Other Rodents; Copyright Page; Contents; Preface; List of Contributors; List of Reviewers; I. GENERAL; 1. Ethical Considerations and Regulatory Issues; Introduction; Ethical Concepts; Moral Theories; Descriptive Laboratory Animal Use Ethics; Ethical Principles; Respect for Life; Societal Benefit; Non-Maleficence; The Three Rs (Replacement, Reduction, and Refinement); Replacement; Reduction; Refinement; Ethical Challenges; Breeding Colonies; Genetically Modified Rodents; Cancer Research; Perinatal Animal Use Neuroscience and Behavioral ResearchFood and Fluid Restriction; Neuroanatomic Studies; Neural Injury and Disease; Behavioral Studies; Prolonged Restraint and Anesthesia; Restraint of Awake Animals;

Prolonged Studies in Anesthetized Animals; Institutional Animal Welfare Oversight; Regulations and Non-regulatory Considerations; United States Regulatory Considerations; United States Animal Welfare Act; Public Health Service Policy on Humane Care and Use of Animals; Food and Drug Administration Good Laboratory Practices; Interagency Cooperation

Environmental Protection Agency Good Laboratory Practices Non-Regulatory Considerations; Institute for Laboratory Animal Research; Guide for the Care and Use of Laboratory Animals (Guide); International Regulations, Policies, and Standards; AAALAC, International; Canada; European Union; Pacific Rim; Australia; New Zealand; Japan; South Korea; Philippines; Thailand; China; Taiwan; Singapore; Hong Kong; Conclusion; References; 2. Anesthesia and Analgesia; Pre-anesthetic Preparation; Physical Examination; Fasting; Stabilization; Regulatory Requirements; Controlled Substances; Pharmacology

Anticholinergics Phenothiazines; Benzodiazepines; Alpha2-Agonists; Systemic Analgesics; Opioids; Non-Steroidal Anti-Inflammatory Drugs (NSAIDs); Tramadol; Gabapentin; Amantadine; Local Anesthetics; Glucocorticoids; N-Methyl-D-Aspartic Acid (NMDA) Antagonist; Ketamine; Tiletamine-Zolazepam; Propofol; Barbiturates; Inhalation Anesthetics; Anesthesia Circuits; Induction Chambers; Breathing Circuits; Vaporizer Types and Machines; Ventilators; Regulatory Monitoring Requirements; Anesthesia Waste Gas Scavenging; Anesthesia Monitoring and Support; Anesthetic Depth; Respiratory Function

Cardiovascular Function Temperature; Fluid Therapy; Intubation; Surgical Anesthesia; Post-operative Monitoring and Pain Assessment; Pain Assessment; Post-Operative Analgesia; Post-Operative Monitoring; References; 3. Clinical Biochemistry and Hematology; Introduction; Clinical Biochemistry; Introduction; Sample Collection; Restraint; Blood Collection; Urine Collection; Carbohydrate Metabolism; Glucose; Lipid Metabolism; Cholesterol; Triglycerides; Enzymes; Alkaline Phosphatase (ALP); Alanine Aminotransferase (ALT); Aspartate Aminotransferase (AST); Lactate Dehydrogenase (LDH) Creatine Kinase (CK)

Sommario/riassunto

The Laboratory Rabbit, Guinea Pig, Hamster, and Other Rodents is a single volume, comprehensive book sanctioned by the American College of Laboratory Animal Medicine (ACLAM), covering the rabbit, guinea pig, hamster, gerbil and other rodents often used in research. This well-illustrated reference won a 2012 PROSE Award for Best Single Volume Reference in Science from the Association of American Publishers. The book includes basic biology, anatomy, physiology, behavior, infectious and noninfectious diseases, husbandry and breeding, common experimental methods, and use of the species as a
