



# Manual of Microbiologic Monitoring of Laboratory Animals:

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# Manual Of Microbiologic Monitoring Of Laboratory Animals

**Guillaume Favre**



## **Manual Of Microbiologic Monitoring Of Laboratory Animals:**

**Manual of Microbiologic Monitoring of Laboratory Animals** Kim Waggle, 1994-07 An overview of the main infectious agents and diseases of mice and rats Indicates the methods used in testing for them Includes 42 agents for monitoring Also deals with microbiologic monitoring of immunodeficient animals Includes viruses bacteria mycoplasmas and fungi and parasites Each agent s description includes classification and morphology cultivation strains characteristics of infection geographic distribution means of spread morbidity and mortality control prevention and test procedures Extensive bibliography with each agent **Manual of microbiologic monitoring of laboratory animals** K. Waggle, 1994

**Manual of Microbiologic Monitoring of Laboratory Animals**, 1994 **Manual of Microbiologic Monitoring of Laboratory Animals** Anton M. Allen, Tatsuji Nomura, 1986 **Manual of Microbiologic Monitoring of Laboratory Animals** Kim Waggle, 1994-05 An overview of the main infectious agents and diseases of mice and rats Indicates the methods used in testing for them Includes 42 agents for monitoring Also deals with microbiologic monitoring of immunodeficient animals Includes viruses bacteria mycoplasmas and fungi and parasites Each agent s description includes classification and morphology cultivation strains characteristics of infection geographic distribution means of spread morbidity and mortality control prevention and test procedures Extensive bibliography with each agent Handbook of Laboratory Animal Bacteriology Axel Kornerup Hansen, 1999-08-23 Handbook of Laboratory Animal Bacteriology isolates bacteria in laboratory rodents and rabbits to assist veterinary pathologists and other animal caretakers in the management of these organisms This book emphasizes those bacteria known to interfere with research protocols and offers methods for isolation and differentiation among related bacteria It also enables the bacteriologist to isolate and identify bacteria being part of the normal flora of these animals In the first part of the book information is given on how to sample and cultivate from the animals Hereafter general descriptions on various identification procedures are given Topics include sampling and isolation techniques staining methods serology PCR and other important tools In the second part of the book important laboratory animal bacteria have been described in relation to both characteristics of the agent and characteristics of infection All categories of bacteria are systematically dealt with in order to help in their isolation and identification when examining rodents and rabbits Traditional lab animals mice rats guinea pigs hamsters gerbils and rabbits harbor bacteria different from those found in humans and farm animals Handbook of Laboratory Animal Bacteriology is an invaluable guide bacteriological monitoring of research colonies *The Welfare of Laboratory Animals* Eila Kaliste, 2007-04-18 Animal welfare is attracting increasing interest worldwide but particularly from those in developed countries who now have the knowledge and resources to be able to offer the best management systems for their farm animals as well as potentially being able to offer plentiful resources for companion zoo and laboratory animals The increased attention given to animal welfare in the West derives largely from the fact that the relentless pursuit of financial reward and efficiency has lead to the development of intensive

animal production systems that offend the conscience of many consumers in those countries In developing countries human survival is still a daily uncertainty so that provision for animal welfare has to be balanced against human welfare Welfare is usually provided for only if it supports the output of the animal be it food work clothing sport or companionship In reality there are resources for all if they are properly husbanded in both developing and developed countries The inequitable division of the world's riches creates physical and psychological poverty for humans and animals alike in all sectors of the world Livestock are the world's biggest land user FAO 2002 and the population particularly of monogastric animals is increasing rapidly to meet the need of an expanding human population Populations of animals managed by humans are therefore increasing worldwide so there is the tendency to allocate fewer resources to each one

*Manual of Microbiological Monitoring of Laboratory Animals* Anton M. Allen, Tatsuji Nomura, National Institutes of Health (U.S.). Division of Research Services, 1986

The Laboratory Rat Mark A. Suckow, Steven H. Weisbroth, Craig L. Franklin, 2005-12-20 The Laboratory Rat Second Edition features updated information on a variety of topics including rat genetics and genomics both spontaneous and induced disease state of the art technology for housing and husbandry occupational health and experimental models A premier source of information on the laboratory rat that will be of interest to veterinary and medical students senior graduate graduate students post docs and researchers who utilize animals in biomedical research At least 50% new information than first edition Includes topics on rat genetics and genomics occupational health and experimental models The premier source of information on the laboratory rat

*Laboratory Animal Medicine* Lynn C. Anderson, Franklin M. Loew, Fred W. Quimby, 2002-06-20 A volume in the American College of Laboratory Animal Medicine series this second edition has over 40% new material including the addition of six new topics and many others that are completely rewritten The book comprehensively covers the biological and disease aspects of laboratory animal medicine while examining other aspects such as the biohazards associated with the use of animal experimentation and factors complicating the bioethics of animal research

*Microbial Status and Genetic Evaluation of Mice and Rats* National Research Council, Institute for Laboratory Animal Research, International Committee of the Institute for Laboratory Animal Research, 2000-11-30 US Japan meetings on laboratory animal science have been held virtually every year since 1980 under the US Japan Cooperative Program on Science and Technology Over the years these meetings have resulted in a number of important documents including the Manual of Microbiologic Monitoring of Laboratory Animals published in 1994 and the article Establishment and Preservation of Reference Inbred Strains of Rats for General Purposes In addition to these publications the meetings have been instrumental in increasing awareness of the need for microbiologic monitoring of laboratory rodents and the need for genetic definition and monitoring of mice and rats In cooperation with the Comparative Medicine section of NCRP NIH the ILAR Council and staff are pleased to become the host for this important annual meeting and look forward to participating in future meetings The support and sponsorship of NCRP P40 RR 11611 in the United

States and the Central Institute for Experimental Animals in Japan are gratefully acknowledged Bringing together the leading scientists in the field of laboratory animal care has resulted in increased understanding of American and Japanese approaches to laboratory animal science and should continue to strengthen efforts to harmonize approaches aimed at resolving common challenges in the use of animal models for biomedical research and testing This effort to improve understanding and cooperation between Japan and the United States should also be useful in developing similar interaction with other regions of the world including Europe Australia and Southeast Asia **Monthly Catalog of United States**

**Government Publications**, 1995-04 **The COST Manual of Laboratory Animal Care and Use** Bryan Howard, Timo Nevalainen, Gemma Perretta, 2016-04-19 COST European Cooperation in the field of Scientific and Technical Research is an intergovernmental initiative in science and research intended to promote the coordination of nationally funded research in Europe Four working groups discuss the housing of animals their environmental needs refinement of procedures genetically modified animals and cost benefit analysis Based on the activities of these working groups this book provides the European best practices for individuals and institutions working with laboratory animals The text also discusses the ethical evaluation of experiments and procedures involving animals **The NIH Record**, 1988 *Monthly Catalogue, United States Public Documents*, 1986-07

National Library of Medicine Current Catalog National Library of Medicine (U.S.), The Laboratory Rabbit, Guinea Pig, Hamster, and Other Rodents Mark A. Suckow, Karla A. Stevens, Ronald P. Wilson, 2012-01-09 This 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 includes basic biology anatomy physiology behavior infectious and noninfectious diseases husbandry and breeding common experimental methods and use of the species as a research model It is a resource for advancements in the humane and responsible care of rabbit guinea pig hamster gerbil chinchilla deer mouse kangaroo rat cotton rat sand rat and degu Includes up to date common experimental methods Organized by species for easy access during bench research **The**

**Laboratory Mouse** Hans Hedrich, 2012-07-16 Mice have long been recognized as a valuable tool for investigating the genetic and physiological bases of human diseases such as diabetes infectious disease cancer heart disease and a wide array of neurological disorders With the advent of transgenic and other genetic engineering technologies the versatility and usefulness of the mouse as a model in biomedical research has soared As a result mouse colonies everywhere are expanding and scientists who previously focused on other models are turning their attention to the mouse Revised to reflect advances since the first edition *The Laboratory Mouse* Second Edition continues to be the most accessible reference on the biology and care of the laboratory mouse This guide presents basic information and common procedures in detail to provide a quick reference source for investigators technicians and caretakers in the humane care and use of the mouse in the laboratory setting Expanded updated and now in color this new edition includes coverage of the biological features husbandry

management veterinary care experimental methodology and resources applying specifically to the mouse Provided by publisher Clinical Laboratory Animal Medicine Karen Hrapkiewicz, Leticia Medina, 2013-04-01 Now in its third edition Clinical Laboratory Animal Medicine serves as an introductory resource for veterinarians veterinary technicians veterinary students and laboratory staff on treatment and management of laboratory animals including mice rats gerbils hamsters guinea pigs chinchillas rabbits ferrets and non human primates Each species chapter follows a simple and easy to use format covering behavior anatomic and physiological features breeding and reproduction husbandry handling and restraint blood collection urine collection drug administration anesthesia surgery postoperative care therapeutic agents and diseases Convenient tables supply essential biological and physiological data blood values and information on drug dosaging Appendices include normal values or hematological data and serum biochemical data as well as a listing of organizations in laboratory animal medicine Clinical Laboratory Animal Medicine not only facilitates safe and humane treatment of animals in laboratory settings but also can serve as a practical guide for veterinary practitioners and technicians who are faced with many of these same species in daily practice *Medicine, Biomedical Research, Mental Health* ,1995

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