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The Minipig in Biomedical Research

Edited by
 Peter A. McAnulty, Anthony D. Dayan,
 Niels-Christian Ganderup, and Kenneth L. Hastings

Presents Theoretical, Regulatory, and Practical Information

The **Minipig in Biomedical Research** is a comprehensive resource for research scientists on current and future use of the minipig in basic and applied biomedical research and the development of drugs and chemicals. Written by acknowledged experts in the field, and drawing on the authors' global contacts and experience with regulatory authorities and the pharmaceutical and other industries, this accessible manual ranges widely over the biology and scientific and practical uses of the minipig in the laboratory. Its coverage extends from the minipig's origins, anatomy, genetics, immunology and physiology to welfare, health, and husbandry; practical dosing and examination procedures; surgical techniques; and all areas of toxicity testing and the uses of the minipig as a disease model. Regulatory aspects of its use are considered.

Readers will find an extensive amount of theoretical and practical information in the pharmacology, ADME and toxicology chapters which will help scientists and managers when deciding which species to use in basic research, drug discovery, and pharmacology and toxicology studies of chemicals, and biotechnology products and devices. The book discusses regulatory uses of minipigs in the evaluation of human and veterinary pharmaceuticals, medical devices, and other classes of xenobiotics. It describes features of normal health, normal laboratory values, and common diseases. It also carefully elucidates ethical and legal considerations in their supply, housing, and transport. The result is an all-inclusive and up to date manual about the experimental uses of the minipig that describes 'How to' and 'Why' and 'What to expect in the normal', combining enthusiasm and experience with critical assessment of its values and potential problems.



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