



Gnotobiotic Mouse Technology: An Illustrated Guide

Chriss J. Vowles, Natalie E. Anderson, Kathryn A. Eaton

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The popularity of germ-free animal models, particularly mice, for investigation of human physiology and disease has recently exploded. **Gnotobiotic Mouse Technology: An Illustrated Guide** provides the first manual for the maintenance, husbandry, and experimental manipulation of germ-free and gnotobiotic mice. It includes information on all aspects of establishing and operating a germ-free mouse research facility, from basic principles and equipment to detailed instructions for assembling and maintaining isolators, sterilizing supplies, handling animals, and monitoring sterility.

The book breaks down techniques and procedures into modules, each of which contains a step-by-step practical and visual guide to a set of related procedures. Each description consists of a materials list, introduction, and general overview, followed by a thoroughly illustrated walkthrough of the steps for each procedure. The descriptions end with troubleshooting tips. Technical chapters are heavily illustrated and include notations of potential pitfalls and alternatives. Other chapters discuss management procedures and practices such as the hiring and training of personnel, setting fee schedules, and record keeping.

This book is a landmark resource for establishing and maintaining a facility for germ-free mouse research. Useful to both technicians and investigators, it presents every step necessary to establish a successful facility. It also gives direction in expanding multi-user facilities and applying new technologies to your current practices.

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