

Extensively updated and expanded since the publication of Walter F. Loeb and Fred W. Quimby's second edition in 1999, the new **Clinical Chemistry of Laboratory Animals, Third Edition** continues as the most comprehensive reference on in vivo animal studies. By organizing the book into species- and organ/class-specific chapters, this book provides information to enable a conceptual understanding of clinical chemistry across laboratory species as well as information on evaluation and interpretation of clinical chemistry data relevant to specific organ systems.

Now sponsored by the American College of Laboratory Animal Medicine (ACLAM), this well-respected resource includes chapters on multiple laboratory species and provides pertinent information on their unique physiological characteristics, methods for sample collection, and preanalytical sources of variation for the particular species. Basic methodology for common procedures for each species is also discussed.

New Chapters in the Third Edition Include:

- The Laboratory Zebrafish and Other Fishes
- Evaluation of Cardiovascular and Pulmonary Function and Injury
- Evaluation of Skeletal Muscle Function and Injury
- Evaluation of Bone Function and Injury
- Vitamins
- Development of Biomarkers
- Statistical Methods

Clinical Chemistry of Laboratory Animals, Third Edition is intended as a reference for use by veterinary students, clinical veterinarians, veterinary toxicologists, veterinary clinical pathologists, and laboratory animal veterinarians to aid in study design, collection of samples, and interpretation of clinical chemistry data for laboratory species.

Features:

- Serves as the detailed, authoritative source of the clinical chemistry of the most commonly used laboratory animals
- Includes detailed chapters dedicated to descriptions of clinical chemistry-related topics specific to each laboratory species as well as organ/class-specific chapters
- Presents information regarding evaluation and interpretation of a variety of individual clinical chemistry end points
- Concludes with detailed chapters dedicated to descriptions of statistical analyses and biomarker development of clinical chemistry-related topics
- Provides extensive reference lists at the end of each chapter to facilitate further study



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