

Merck Veterinary Manual 9th Edition S

This book, Essential Drug Data for Rational Veterinary Practice offers quick and easy reference to chemical and pharmacological classifications, sources, pharmacokinetic, pharmacodynamic and pharmaceutical data of drugs used in veterinary practice. To keep pace with the rate at which new drugs are released into the market, the veterinary practitioner required in one volume, adequate drug information which he needs for effective animal care/ Evidence-based drug therapy requires knowledge of drugs. This book, Essential Drug Data for Rational Veterinary Practice presents not less than twenty five sets of data on about three hundred drugs that are commonly used in veterinary practice.

Blackwell's Five-Minute Veterinary Consult: Laboratory Tests and Diagnostic Procedures: Canine and Feline is a comprehensive, one-stop reference text on diagnostic skills used daily in treating dogs and cats. Chapters cover more than 275 procedures and tests, including blood, urine, and fecal tests and radiographic, ultrasound, and endoscopic procedures. Each topic, written by an expert in the field, provides essential information on related physiology, indications, contraindications, potential complications, and client education. The uniform presentation of information, arranged alphabetically from abdominal radiographs to zinc tests, allows the reader to gain easy access to vital information, making this an ideal reference to be used in a clinical setting.

Veterinary Technician's Large Animal Daily Reference Guide is an indispensable resource in daily clinical practice. Covering all aspects of a veterinary technician's responsibilities in the care of large animals, the book provides fast access to practical information, aiding newly trained and skilled large animal technicians alike in performing their daily tasks. Designed as a quick yet comprehensive reference, the tables and charts throughout offer reliable, easy-to-follow information on horses, cattle, small ruminants, and pigs. With chapter topics ranging from anatomy and nutrition to emergency and critical care, the book's coverage includes both the basics of veterinary care and more specialized nursing procedures. Veterinary Technician's Large Animal Daily Reference Guide is an invaluable tool for any veterinary technician working with large animals, as well as veterinary technology students seeking more information on these species.

Guest Editor Gary Osweiler presents a comprehensive look at ruminant toxicology. Topics will include biofuels co-products tolerance and toxicology for ruminants, diagnostic toxicology for ruminants, metal/mineral poisoning and interactions, reproductive toxicants in forage and grain crops, ruminant mycotoxicoses, antidotes and therapy for ruminant toxicants, western plant hazardous to ruminants, southeastern toxic plants affecting ruminants, northeastern plants toxic to ruminants, industrial and commercial products affecting ruminants, water quality and ruminant health and productivity, ,and much more!

Advances in Agricultural Animal Welfare fully explores developments in the key areas of agricultural animal welfare assessment and improvement. Analyzing current topical issues, as well as reviewing the historical welfare issues, the volume is a comprehensive review of the field. Divided into five sections, the book opens in Part One by reviewing advances in animal welfare science, examining cognitive psychology, genetics and genomics. Part Two then looks at transdisciplinary research in animal welfare, with coverage of bioethics, welfare and sustainability from both environmental and food safety perspectives. Part Three explores the process of translating science into policy and practice, followed by discussion on the global achievability of welfare standards in Part Four. Finally, Part Five highlights some emerging issues in agricultural animal welfare. This book is an essential part of the wider ranging series Advances in Farm Animal Welfare, with coverage of cattle, sheep, pigs, poultry and aquaculture. With its expert editor and international team of contributors, Advances in Agricultural Animal Welfare is a key reference tool for welfare research scientists and students, practicing vets involved in welfare assessment, and indeed anyone with a professional interest in the welfare of agricultural animals. Provides in-depth reviews of emerging topics, research and applications in agricultural animal welfare Provides coverage of topics important to all agricultural animals and complements the wider series, Agricultural Animal Welfare, which will provide comprehensive coverage of animal welfare of the world's major farmed animals Edited by a world leading animal welfare academic, with contributions from a writing team of both leading academics and practitioners

The trusted training resource for pharmacy technicians at all levels. The role of pharmacy technicians is rapidly expanding, and demand for well-trained technicians has never been higher! Technicians are assuming more responsibilities and are taking on greater leadership roles. Quality training material is increasingly important for new technicians entering the field, and current technicians looking to advance. Look no further than the new 4th edition of the best-selling Manual for Pharmacy Technicians to master the practical skills and gain the foundational knowledge all technicians need to be successful. NEW chapters cover the latest essentials: Specialty Pharmacy Practice Communication and Teamwork Billing and Reimbursement Durable and Nondurable Medical Equipment, Devices, and Supplies NEW features include: Full color design, photos and illustrations enhance learning Rx for Success boxes share tips to help techs excel on the job Technology Topics highlight the latest in automation & technical areas Safety First features provide critical advice for enhancing safety & reducing errors Bolded key terms defined in chapter-level glossaries Streamlined contents divide book into 4 simple parts: introduction to pharmacy practice, foundation knowledge and skills, practice basics, and business applications Expanded self-assessment questions and calculations content Alone or with the new edition of the Pharmacy Technician Certification Review and Practice Exam, the Manual for Pharmacy Technicians, 4th Edition offers pharmacy technicians the most relevant, authoritative, easy-to-use guide in the field. Want more exercises and practice? Look for the NEW Workbook for the Manual for Pharmacy Technicians.

No veterinary technician should be without this pocket-sized reference! Ideal for the clinical setting, Mosby's Veterinary PDQ, 2nd Edition provides quick access to hundreds of veterinary medicine facts, formulas, lab values, and procedures. Coverage includes key topics such as pharmacology, math, animal care, common diseases, diagnostic procedures, imaging techniques, parasite identification, urinalysis, blood tests, and other lab work. This full-color, practical guide makes it easy to find the information that is most useful in practice! Easy-to-read charts and tables provide quick access to key information that is commonly used but rarely memorized. Valuable formulas, conversions, and lab values make it easy to look up the data needed to deliver safe and effective veterinary care. Quick-access format is organized into 10 tabbed, color-coded sections, and makes it easy to find facts quickly. Full-color photos and line drawings illustrate procedures and tests, dental and surgical instruments, parasites, and urine and blood analysis. Compact size easily fits in the busy vet tech's pocket. Spiral binding allows you to lay the book flat or keep it open to a page that is commonly referred to. Durable pages can endure the wear and tear of the clinical setting, and may be easily wiped clean. NEW step-by-step procedures include blood collection and injection techniques. NEW drug information covers the newest pharmacologic agents, ensuring you are up to date with uses, adverse side effects, and dosage forms. Coverage of NEW test kits

describes the newest testing products available. Increased coverage of capnography and monitoring of patients under anesthesia provides information on these key topics. Added photos of cells and urine sediment show urinalysis and fecal examinations, which are both routinely performed.

The application of evidence-based veterinary medicine (EBVM) can assist in improving and optimising the diagnosis, prognosis, control, treatment and ultimately the welfare of animals. It can also provide the user with a methodology for appropriate, patient orientated life-long, self-directed, learning. To practise evidence-based veterinary medicine we require a range of skills that we may not have. This book explains what evidence-based veterinary medicine is and shows how it can be applied to veterinary practice to improve the quality of care for patients and provide informed choices for owners. It provides the reader with a toolkit of skills necessary to practise evidence-based veterinary medicine. This book is aimed at practitioners but will be of interest to veterinary surgeons at any stage of their training or career wishing to learn about EBVM.

Small Animal Medical Diagnosis, Third Edition takes a problem-oriented approach to clinical diagnosis and outlines core information necessary to effectively evaluate the major medical problems in dogs and cats. The text starts by defining problems caused by disease and proceeds to integrate the history, physical examination, and diagnostic modalities into a logical approach designed to assist with the medical management of patients. The new edition continues to serve as a vital tool in accurate and appropriate diagnosis for small animal veterinarians, emergency and critical care veterinarians, and veterinary students.

Provide expert care for cats and dogs! Kirk and Bistner's Handbook of Veterinary Procedures and Emergency Treatment, 9th Edition covers not only the management of emergency conditions, but also strategies for dealing with hundreds of routine diagnostic and treatment challenges in small animals. Its user-friendly format provides instant access to vital information -- making it an ideal resource in emergency situations -- and it is conveniently organized by both body systems and presenting signs to help you easily reach a diagnosis and determine a treatment plan for all clinical situations. Written by veterinary experts Richard Ford and Elisa Mazzaferro, Kirk and Bistner's Handbook of Veterinary Procedures and Emergency Treatment provides current guidelines for small animal emergency care and the diagnostic procedures most commonly performed in a busy, team-oriented practice. Step-by-step instructions and illustrations are provided for all major emergency and non-emergency clinical procedures. A logical, easy-to-use format lists all emergency conditions in alphabetical order, and includes quick reference boxes calling out key information such as clinical tips and cautions. Clear, concise guidelines help you evaluate clinical signs and laboratory test data. Clinical algorithms make it easier to identify and treat abnormalities. Guidelines for assessment and treatment include practical advice and solutions, how to examine the small animal patient using a body systems and problem list approach, and a review of basic diagnostic procedures used in daily practice. Coverage of toxicological emergencies describes how to manage exposures and poisonings. A quick reference guide to the management of the emergency patient is conveniently located on the inside cover. A comprehensive drug formulary makes lookup easy, and includes proprietary names, actions/use of each drug, formulations, recommended dosages, and special precautions, with emergency medications highlighted for fast reference This all-in-one reference includes practical coverage of emergency procedures, physical assessment in sickness and health, routine and advanced testing procedures, diagnostic tests sampling, preparation, procedures, and interpretation. Quick Reference boxes include potential causes of each clinical abnormality and associated signs, step-by-step diagnostic plans, and clinical algorithms. The latest vaccination guidelines include protocols for dogs and cats at low, medium, and high risk of exposure to infectious diseases. Updated coverage keeps you current with the latest on pain assessment, prevention, and treatment.

Revised and updated, the eighth edition of Anatomy and Physiology of Farm Animals remains the essential resource for detailed information on farm animal anatomy and physiology. Offers a revised edition to this comprehensive guide to the anatomy and physiology of farm animals Presents learning objectives in each chapter for the first time Adds new material on endocrine and metabolic regulation of growth and body composition Features additional illustrations to enhance comprehension Includes a companion website that offers supplemental content, including word roots, clinical cases, study and practice questions, the images from the book and additional images, diagrams, and videos to enhance learning.

Clinical examination and marking a diagnosis; General systemic states; Diseases of the newborn; Practical antimicrobial therapeutics; Diseases of the alimentary tract I; Diseases of the alimentary tract II; Diseases of the liver; Diseases of the cardiovascular system; Diseases of the blood and blood-forming organs; Diseases of the respiratory system; Diseases of the urinary system; Diseases of the nervous system; Diseases of the musculoskeletal system; Disease of the skin and conjunctiva; Diseases of the skin and conjunctiva; Mastitis; Diseases caused by bacteria I; Diseases caused by bacteria III; Diseases caused by bacteria IV; Diseases caused by bacteria V; Diseases caused by viruses and chlamydia I; Diseases caused by viruses and chlamydia II; Diseases caused by Rickettsia; Disease caused by fungi; Disease caused by Protozoa; Diseases caused by arthropod parasites; Metabolic diseases; Disease caused by nutrition deficiencies; Diseases caused by physical agents; Diseases caused by chemical agents I; Diseases caused by chemical agents II; Diseases caused by allergy; Diseases caused by the inheritance of undesirable characters; Specific diseases of unknown or uncertain etiology.

Integrating complementary treatment options with traditional veterinary practice is a growing trend in veterinary medicine. Veterinarians and clients alike have an interest in expanding treatment options to include alternative approaches such as Western and Chinese Herbal Medicine, Acupuncture, Nano-Pharmacology, Homotoxicology, and Therapeutic Nutrition along with conventional medicine. Integrating Complementary Medicine into Veterinary Practice introduces and familiarizes veterinarians with the terminology and procedures of these complementary treatment modalities in a traditional clinical format that facilitates the easy integration of these methods into established veterinary practices.

This latest version of Information Resources in Toxicology (IRT) continues a tradition established in 1982 with the publication of the first edition in presenting an extensive itemization, review, and commentary on the information infrastructure of the field. This book is a unique wide-ranging, international, annotated bibliography and compendium of major resources in toxicology and allied fields such as environmental and occupational health, chemical safety, and risk assessment. Thoroughly updated, the current edition analyzes technological changes and is rife with online tools and links to Web sites. IRT-IV is highly structured, providing easy access to its information. Among the "hot topics covered are Disaster Preparedness and Management, Nanotechnology, Omics, the Precautionary Principle, Risk Assessment, and Biological, Chemical and Radioactive Terrorism and Warfare are among the designated. • International in scope, with contributions from over 30 countries • Numerous key references and relevant Web links • Concise narratives about toxicologic sub-disciplines • Valuable appendices such as the IUPAC Glossary of Terms in Toxicology • Authored by experts in their respective sub-disciplines within toxicology A comprehensive, reliable source of information on all aspects of animal healthcare, completely redesigned and updated with 500 additional pages and more than 50 new or expanded topics.

Textbook for the Veterinary Assistant offers a comprehensive guide to the NAVTA-approved curriculum for veterinary assisting programs. Written by leaders in the profession and copublished with NAVTA, the book covers the complete list of NAVTA Veterinary Assistant Essential Skills. Specifically tailored for veterinary assistants and veterinary assistant students, the book uses an engaging writing style to provide a concise, user-friendly approach to the material. With chapters on medical terminology, clinical skills, office procedures, client communication, and more, the book equips veterinary assistants with all the information they need to succeed. A companion website offers interactive

multiple-choice questions, the figures from the book in PowerPoint, teaching activities, breed study guides, and a sample cover letter. Textbook for the Veterinary Assistant is a must-have resource for all veterinary assistant students and those studying for the Approved Veterinary Assistant certification exam, and serves as a useful refresher for veterinary assistants in practice.

Grasp complex concepts and develop fundamental knowledge in the rapidly changing field of veterinary pharmacology with *Clinical Pharmacology and Therapeutics for Veterinary Technicians, 4th Edition*. This accessible, comprehensive text explains how drugs work so you can confidently communicate with clients about current drug therapies. Featuring up-to-date drug information and a new full-color design with added illustrations, tables, and boxes, this thorough resource covers drug uses, abuses, calculation errors, and mistakes. Covers complex principles of pharmacology in a manner appropriate for both veterinary technicians and students. Provides strong introductory content on safety, terminology, pharmacy procedures, drug handling (including the latest OSHA requirements), dosage calculations, and pharmacokinetics. Emphasizes the reasons behind drug properties, actions, and effects — not just lists of facts. Valuable clinical applications are interspersed throughout every chapter, and concepts are linked to real-life situations to help reinforce learning. Critical thinking and review questions at the end of every chapter help you test comprehension. UPDATED and NEW! The most up-to-date information on all drug categories and new content on several drugs. NEW! Full-color format with photos and line drawings helps visual learners understand concepts and enhances images' educational value. NEW! Myths and Misconceptions, Ask Dr. Bill, and You Need to Know boxes break up the narrative and spotlight interesting concepts to make information easier to understand. NEW! Evolve site with instructor resources, including PowerPoint presentations, test bank questions and answers, an image collection, the answer keys to each chapter's self-assessment questions, and drug calculation practice exercises. NEW! Vet Tech Threads design includes key terms, chapter outlines, and learning objectives, as well as other pedagogical features, to help you grasp key content and navigate through the chapters.

The new edition of Blood's classic *Comprehensive Veterinary Dictionary* has been completely redesigned, revised and updated for today's veterinary team. Now with a wide range of superb full-colour illustrations, well over 60,000 main and subentries including large animals, small animals and exotics, and an all-new, user-friendly format, the fourth edition offers the most comprehensive dictionary reference in the field. Comprehensive text covering the whole range of veterinary medicine Classic authoritative reference work Valuable and accessible appendices for instant access to key information at a glance Well over 60,000 main entries and subentries Extensive contributions from internationally acknowledged expert consultants New for this edition Over 1,000 colour illustrations to aid further understanding of disease processes and important terminology Pronunciation of key terms Brand new design and format to help find key information at a glance Extensive revision, clarification and focussing of entries to reflect current practice

For the past three decades, ARBA has kept librarians up to date on the latest reference materials by providing high-quality, critical reviews. The 2007 edition of ARBA continues this great tradition by providing users with access to 1,600-plus reviews of both print and online resources, written by more than 400 academic, public, and school librarians who are experts in their field. With coverage of nearly 500 subject disciplines, ranging from the social sciences and humanities to science and technology, users are guaranteed to find information on the latest resources available in the areas they are most trying to expand their collection. With ARBA in hand, collection development librarians can manage their library's high standards of quality, and make the best use of their budget.

Veterinary Science theme is a component of *Encyclopedia of Food and Agricultural Sciences, Engineering and Technology Resources in the global Encyclopedia of Life Support Systems (EOLSS)*, which is an integrated compendium of twenty one Encyclopedias. Veterinary medicine's ultimate purpose is to promote, maintain and restore the health of animals, people and the ecosystems which they inhabit. The theme on Veterinary Science focuses on ensuring the health and welfare of animals and provides the essential aspects and a myriad of issues of great relevance to our world such as Veterinary Medicine; Veterinary Surveillance; Metabolic Disorders of Dairy Cattle; Veterinary Pathology; Veterinary Toxicology; Comparative Immunology-Based Approaches to Veterinary Diseases; Veterinary Virology; Veterinary Bacteriology; Veterinary Mycology; Veterinary Helminthology; Biology of select zoonotic protozoan infections of domestic animals; Veterinary Ectoparasitology. This volume is aimed at the following five major target audiences: University and College Students Educators, Professional Practitioners, Research Personnel and Policy Analysts, Managers, and Decision Makers, NGOs and GOs.

Plumb's *Veterinary Drug Handbook, Ninth Edition* updates the most complete, detailed, and trusted source of drug information relevant to veterinary medicine. Provides a fully updated edition of the classic veterinary drug handbook, with carefully curated dosages per indication for clear guidance on selecting a dose Features 16 new drugs Offers an authoritative, complete reference for detailed information about animal medication Designed to be used every day in the fast-paced veterinary setting Includes dosages for a wide range of species, including dogs, cats, exotic animals, and farm animals

This issue of *Veterinary Clinics of North America: Exotic Animal Practice* focuses on Field/Ambulatory Medicine, with topics including: The Ambulatory Exotic Animal Practice; Incorporating Ambulatory Medicine into a Brick and Mortar Practice; The Veterinary Technician in Ambulatory Exotic Animal Medicine; Aquatic Ambulatory Practice; Reptile and Amphibian Ambulatory Practice; Avian Ambulatory Practice; Exotic Companion Animal Ambulatory Practice, including PBP and Llamas; The Ambulatory Zoo Animal Ambulatory Practice; Ambulatory Emergency Medicine; Ambulatory Surgery; USDA Regulated Facility Inspection; Legal issues in the Exotics Practice; and Sample collection for the Mobile Exotics Practitioner.

Discusses the physical effects of aging, examines issues of caregiving and medical care for older adults, covers medical conditions and diseases likely to affect older people, and addresses a range of key social, ethical, and legal issues

related to aging. Simultaneous.

The Seventh Edition of *Anatomy and Physiology of Farm Animals* is a thoroughly updated and revised version of this classic text. Drawing on current science and terminology with a number of new illustrations throughout and a new chapter on poultry, the book maintains its reputation for clarity, balanced scope, and breadth of content. The Seventh Edition provides veterinary, animal science, agriculture, and veterinary technician students with a comprehensive yet clear reference to understanding the fundamentals of anatomy and physiology.

Teaching reference for those interested in the major diseases of poultry.

Presenting more than 266 full color anatomic drawings arranged by organ system, this book is dedicated exclusively to feline anatomy with emphasis on those areas of anatomy that are frequently encountered in clinical practice. It includes a highly detailed chapter on special senses which collects and organizes difficult to find information for quick access. Nomenclature is from *Nomina Anatomica Veterinaria* so that the feline anatomy is in line with that used in other textbooks of veterinary anatomy of the domestic animals. The book accurately captures the anatomy pertinent to clinical veterinary medicine.

Rev. ed. of: *5-minute veterinary consult: ferret and rabbit*. 1st ed. 2006.

The most comprehensive and reliable source of information on all aspects of animal healthcare is now in its ninth edition. With updated coverage and a new look, this landmark 50th Anniversary Edition of the classic reference for veterinary students and practitioners worldwide continues its legacy of top-notch veterinary instruction. Expanded by 400 pages, this new edition includes additional information on new and emerging animal diseases, broadened chapters on emergency and critical care, expanded coverage of exotic and laboratory animals, important coverage of animal-to-human disease transmission, plus many other added and revised chapters. Available from Wiley only in the US, Caribbean, and Latin America.

Master veterinary anatomy anytime and anywhere with *Veterinary Anatomy Flash Cards, 2nd Edition*. This updated set of 400 flash cards features approximately 490 full-color illustrations depicting various anatomical drawings of dogs, cats, horses, pigs, cows, goats, birds, and now even exotics such as rodents, rabbits, ferrets, lizards, and more! The front of each card shows the anatomic image with numbered lead lines pointing to different anatomic structures, allowing you to quiz yourself on identification. The back of each card features a numeric answer key for an easy comprehension check. Used in conjunction with your veterinary anatomy text or as a stand alone review tool, these flashcards will give you the portable upper hand in mastering all aspects of veterinary anatomy. 490 full-color illustrations created by expert medical illustrators bring accurate anatomic structures to life. Organization by regional sections categorizes the cards by the head and ventral neck; neck, back, and vertebral column; thorax; abdomen; pelvis and reproductive organs; forelimb; and hindlimb allowing you to easily compare the anatomy of multiple species. Portable format makes these cards the perfect tool for studying on the go. NEW! Anatomy of exotic animals includes coverage on rodents, rabbits, ferrets, lizards, and more to ensure you are up to speed on all the small mammals and reptiles that you may encounter in veterinary practice.

This issue of *Veterinary Clinics of North America: Equine Practice* focuses on Equine Sports Medicine and includes topics on: Lameness evaluation in the equine athlete; Diagnosis of soft tissue injury in the sport horse; Upper airway conditions affecting the equine athlete; Lower airway conditions affecting the equine athlete; Cardiac/Cardiovascular conditions affecting sport horses; Neck, back, and pelvic pain in sport horses; Neurologic conditions affecting the equine athlete; Metabolic diseases in the equine athlete; Muscle conditions affecting sport horses; Lyme disease in the sport horse; Management and rehabilitation of joint disease in sport horses; Regenerative medicine and rehabilitation for tendinous and ligamentous injuries in sport horses; and Chiropractic and manual therapies.

Xie's Chinese Veterinary Herbology serves as a practical guide to the theory and application of Chinese Herbal Medicine into veterinary practices. Divided into three parts, the book covers herbal materia medica used in treating various disorders and diseases, herbal formulas, and the clinical application of treatments. The book also outlines each herb's history, the formulation of herbal recipes, energetic actions, indications and contraindications of each formula, dosages, and clinical and pharmacological studies performed with herbal treatments. This text serves as an invaluable reference to veterinarians looking to expand treatment options.

The fourth edition of Donald Plumb's "*Veterinary Drug Handbook*" remains the resource every veterinarian needs within reach. This one-volume comprehensive coverage of the systemic drugs used in veterinary medicine and an extensive appendix makes it an essential tool.

Understanding companion animal anatomy and physiology is the foundation to providing good veterinary care, but the underlying concepts covered in the classroom are not always easy to relate to everyday clinical practice. The new edition of *Introduction to Veterinary Anatomy and Physiology Workbook* continues to provide a fun and interactive means to test the student's knowledge, using crosswords, word searches, mnemonics, quizzes, labelling diagrams, and more. A unique way to revise a complex subject Includes hints and tips for effective study Interactive quizzes and practical tasks facilitate group study New chapters on birds, mammals, reptiles, fish, and horses cover all major companion animal species

This issue of *Veterinary Clinics: Food Animal Practice*, guest edited by Dr. Steve Ensley and Dr. Tim Evans, focuses on Toxicology. Topics include: Hepatotoxic Plants that Poison Livestock; Plant-induced photosensitivity and dermatitis in livestock; Plant-induced reproductive disease, abortion and teratology in livestock; Myotoxic and cardiovascular toxic plants; Toxic plants that damage the gastrointestinal and urinary systems and miscellaneous toxic plants; Diagnostic guidelines for ruminant toxicosis; The use of blood/liver analysis to evaluate trace mineral status in ruminant livestock; Water quality for cattle; Biofuels coproducts tolerance and toxicology for ruminants; Ruminant mycotoxicosis; Commercial and industrial chemical hazards for ruminants; Safety of antibiotic drugs in food animals: comparison of findings from preapproval studies and postapproval experience in the United States with safety information in published literature; Treatment of animal toxicosis: a regulatory perspective, Selenium toxicosis; Sulfur toxicosis; Lichen toxicosis caused by *Xanthoparmelia*; Fescue/ergot toxicosis in ruminants; and Cu toxicosis in small ruminants and camelids.

Containing names and chief synonyms, physical form and appearance, solubilities, percentage strengths and physiological effects, therapeutic uses, modes of administration and application, regular and maximum dosage, incompatibles, antidotes, precautionary requirements, etc., etc., of the chemicals and drugs usual in modern medical practice.

The world's most widely used medical reference is now better than ever! For its 19th Edition, the *Merck Manual of Diagnosis and Therapy* has been thoroughly updated and thoughtfully expanded, with more than 850 additional pages, 15 new chapters, over 300 new tables, and 56 new figures. Packed with essential information on diagnosing and treating medical disorders, this handy, compact guide was written by a team of clinicians for everyday use by medical professionals for delivery of the best care to their patients. Designed for maximum clinical utility, the new *Merck Manual*

of Diagnosis and Therapy 19th edition makes it easy to find the right information, right when it is needed. It is a must-have for medical students, residents, practicing physicians, nurses, and allied health professionals. Free 1-year Mobile App Access when you purchase the printed manual. The Skyscape mobile version, available for Blackberry® and Android™ devices, the iPhone® and Windows Mobile® phones, and other popular platforms, uses technology to transform the answers found in The Merck Manual into action.

A respected resource for decades, the Guide for the Care and Use of Laboratory Animals has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.

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