

Free pdf Small animal toxicology text and veterinary consult package 2e (PDF)

Small Animal Toxicology Small Animal Toxicology - E-Book Clinical Veterinary Toxicology Handbook of Small Animal Toxicology and Poisonings Small Animal Toxicology Essentials Reducing, Refining and Replacing the Use of Animals in Toxicity Testing Veterinary Toxicology Animal Clinical Chemistry Blackwell's Five-Minute Veterinary Consult Clinical Companion Small Animal Toxicology Veterinary Toxicology Animal Clinical Chemistry Principles of Toxicology Testing, Second Edition Animal Models in Toxicology Common Toxicologic Issues in Small Animals, An Issue of Veterinary Clinics: Small Animal Practice - E-Book Clinical Veterinary Toxicology Animal Models in Toxicology, Second Edition Small Animal Toxicology Experimental and Comparative Toxicology Veterinary Toxicology Animals and Alternatives in Toxicology Anatomy and Histology of the Laboratory Rat in Toxicology and Biomedical Research Animal Clinical Chemistry A Toxicologist's Guide to Clinical Pathology in Animals Natural Poisons and Venoms Animal Hematotoxicology Veterinary Toxicology A Textbook of Modern Toxicology Animal Models in Toxicology, Third Edition Principles and Procedures for Evaluating the Toxicity of Household Substances Small Animal Toxicology - E-Book A General System of Toxicology, Or, A Treatise on Poisons, Found in the Mineral, Vegetable, and Animal Kingdoms In Vitro Toxicology, Second Edition Small Animal Toxicology - Elsevier eBook on VitalSource (Retail Access Card) Handbook of Clinical Toxicology of Animal Venoms and Poisons Assessing Ocular Toxicology in Laboratory Animals Human Risk Assessment Animal Toxins Principles of Toxicology Testing Animal Toxins

Small Animal Toxicology

2006-01-01

diagnose and determine treatment for toxic exposures in small animals with this quick reference small animal toxicology 3rd edition covers hundreds of potentially toxic substances providing the information you need to manage emergency treatment and prevent poisonings in companion animals to help you identify an unknown poison this guide provides a list of potential toxins based on clinical signs or symptoms it also includes a new color insert with 85 full color photographs of toxic plants and of lesions associated with various poisonings written by respected veterinarian michael e peterson and board certified veterinary toxicologist patricia a talcott along with a team of expert contributors this edition covers a wide variety of topics including toxicodynamics toxicokinetics effective history taking recognizing clinical signs of toxic exposures managing emergencies and supportive care of the poisoned patient comprehensive coverage of toxins poisons includes the full range of substances from acetaminophen to zinc including home products prescription medicines recreational drugs and more guidelines to evaluation diagnosis and treatment include examinations of the source toxic dose toxicokinetics clinical signs minimum database confirming tests treatment progress and differential diagnosis for each specific toxicant coverage of common poisonous substances includes grapes and raisins nicotine mercury mushrooms christmas time plants and snake and spider venoms toxicological concepts section provides information on toxicologic principles such as history taking providing supportive care and managing emergency treatment general exposures section addresses nontraditional toxicology such as indoor environmental air pesticides pharmaceuticals and toxicities in pregnant and lactating animals miscellaneous toxicant groups section covers commonly encountered specific toxicants the proper use of diagnostic laboratories use of human poison control centers and antidotes for specific toxins more than 50 international contributors provide up to date authoritative advice on treating poisonings and intoxications 8 new chapters cover topics including legal considerations in toxicology cases responding to mass exposures and poisonings in birds small mammals and geriatric patients new color insert shows 85 of the most commonly encountered toxic substances for at a glance identification updated signs and symptoms index makes it easier to find information on a toxic agent by presenting signs rather than requiring the formulation of a diagnosis updated information on agents most likely to cause a toxic reaction includes natural flea products and an expanded section on human medications new quick access format with bold headings and convenient tables and boxes allows quick retrieval of information in emergency situations

Small Animal Toxicology - E-Book

2013-08-07

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Clinical Veterinary Toxicology

2007-06

veterinary consult the veterinary consult version of this title provides electronic access to the complete content of this book veterinary consult allows you to electronically search your entire book make notes add highlights and study more efficiently purchasing additional veterinary consult titles makes your learning experience even more powerful all of the veterinary consult books will work together on your electronic bookshelf so that you can search across your entire library of veterinary books veterinary consult it s the best way to learn book description this book covers all aspects of toxicology including toxic diseases of large animals small animals and exotic pets it provides key information on how poisons affect the body how the body responds to a foreign substance how poisonings are diagnosed and how poisonings are treated coverage includes every organ system of every species of animal with details on each body system s susceptibility to poison poisons affect animals differently depending on species breed age gender health status and reproductive status this resource addresses these differences allowing the veterinarian to determine the class of toxicant the mechanism of action and the proper course of treatment if confronted with an unknown poison the information in this book will assist the veterinarian in formulating a list of potential poisons based on the clinical signs that the animal is exhibiting and in choosing the appropriate tests to narrow the list to one or a few possible poisons book plus fully searchable electronic access to text

Handbook of Small Animal Toxicology and Poisonings

2004

this time saving pocket size guide offers a thorough understanding of toxicology that is essential to diagnosing and treating the complex problems resulting from toxin ingestion a leading cause of morbidity and mortality in animals the 2nd edition covers patient assessment and treatment techniques as well as information on over 100 categories of toxic agents discussions of each agent include its uses mechanism pathophysiology clinical signs diagnosis common products containing the agent and acute and long term treatment a new avian section makes this edition even more comprehensive and clinically useful over 1 000 toxic agents are discussed offering a thorough presentation of toxicology relevant to veterinary practice an easy to use alphabetical organization with section tabs for quick reference makes information easy to locate in any setting detailed diagnostic and treatment information is presented in an appealing visually accessible approach a greater emphasis on the ingestion of human

medications addresses this common concern in detail additional plant and chemical toxins are discussed to highlight potential poisonings seen in veterinary practice a new avian section focuses on specific considerations for treating birds redesigned icons draw attention to important points and sections to improve the text s readability a four page full color insert features approximately 24 color photographs of poisonous plants for quick identification all content has been reviewed by board certified toxicologists to ensure that it is up to date and accurate a second color throughout makes the icons more readable the design more inviting and critical information more accessible

Small Animal Toxicology Essentials

2011-11-16

providing a ready reference for the initial triage collection of diagnostic samples and management of a poisoning case small animal toxicology essentials focuses on the most common poisons encountered by companion animals from prevention to evaluation monitoring and treatment the book is a guide for veterinary technicians to differentiate between significant and insignificant exposures and effectively manage animal poisonings emphasizing clinical signs differential diagnoses and case management the book begins with the principles of veterinary toxicology such as terminology history taking and decontamination the second half of the book is devoted to specific toxicants including plants metals drugs and household poisons a companion website at wiley com go poppenga provides review questions in word and color images available for download into powerpoint small animal toxicology essentials is a useful resource for veterinary technicians especially those with a interest in emergency and critical care and veterinary technician students as well as practicing veterinarians looking for an introduction to toxicology

Reducing, Refining and Replacing the Use of Animals in Toxicity Testing

2013

this thought provoking book describes the ever expanding toolbox of methods now available to reduce refine or replace animal usage in toxicity testing

Veterinary Toxicology

2018-02-06

veterinary toxicology basic and clinical principles third edition is a unique single reference that teaches the basic principles of veterinary toxicology to any student at the dvm ms or phd level while comparable texts are primarily directed on the field of human toxicology this text thoroughly prepares toxicologists and students on the newest approaches for diagnosing chemical and plant poisoning cases in animals many chapters on topics not covered in any previous books are provided such as target organ toxicity radiation and radioactive materials fda regulatory issues and ethics in veterinary toxicology completely revised and updated to include the most recent developments in the field including new toxins methods and regions this book is an essential resource for advanced students and researchers in toxicology practicing veterinary toxicologists poison control centers marine biologists environmentalists and animal scientists provides a complete up to date integrated source of information on toxins and poisons relating to animals covers all important aspects of veterinary toxicology with completely updated and revised chapters includes basic principles of a key toxicology concept along with clinical applications and a list of major references for further reading

Animal Clinical Chemistry

1996-04-29

by presenting background information on the selection and application of biochemical tests in safety assessment studies this text seeks to provide a basis for improving the knowledge required to interpret data from toxicological studies in addition to chapters which discuss the assessment of specific organ toxicity such as the liver kidney and thyroid the book also covers pre analytical variables regulatory requirements and statistical approaches and highlights some of the major differences between man and different laboratory animals the editor and contributor are all members of the animal clinical chemistry association a group formed to advance the science of animal clinical chemistry in safety evaluation toxicology and veterinary science

Blackwell's Five-Minute Veterinary Consult Clinical Companion

2011-07-05

this exciting new addition to the popular blackwell s five minute veterinary consult series presents essential information on the diagnosis therapy and prevention of important toxicoses using a succinct and accessible format the book is organized by major categories of toxicants to aid in rapid differential diagnosis for suspected poisonings all information is organized alphabetically for ease of use while accompanying color photos aid in identification the book s quick access clinically oriented presentation of vital information makes it an ideal guide to handling toxicoses in veterinary practice the book begins with introductory chapters on decontamination emergency and supportive therapy antidotes and principles of diagnosis designed to help you quickly develop a differential diagnosis list confirm the diagnosis and manage therapeutic options in poisonings blackwell s five minute veterinary consult clinical companion small animal toxicology is an invaluable resource for veterinary practitioners and students

Small Animal Toxicology

2013

small animal toxicology 3rd edition covers hundreds of potentially toxic substances providing the information you need to manage emergency treatment and prevent poisonings in companion animals to help you identify an unknown poison this guide provides a list of potential toxins based on clinical signs or symptoms

Veterinary Toxicology

2001

this concise review of clinically relevant toxins supplies you with vital information on the source clinical signs toxicity mechanism of action diagnosis and treatment options most commonly encountered in veterinary practice organized alphabetically this book is designed to enable you to locate quickly the vital information you need to diagnose and treat the animal the final chapter includes practical information on collecting and storing samples finding diagnostic laboratories to evaluate the toxic specimens and interpreting the data informs you of the most

common toxins encountered in practice alphabetical listing of toxicants and antidotes allows you to pinpoint information quickly contains contact information for the veterinary diagnostic laboratories and the poison control centers found in each state

Animal Clinical Chemistry

1996-04-29

by presenting background information on the selection and application of biochemical tests in safety assessment studies this text seeks to provide a basis for improving the knowledge required to interpret data from toxicological studies in addition to chapters which discuss the assessment of specific organ toxicity such as the liver kidney and

Principles of Toxicology Testing, Second Edition

2013-04-02

nationally toxicology programs have evolved from a traditional exploration of the chemistry and applied toxicity of chemicals and drugs to a more comprehensive study of toxicology and toxicology testing as independent entities consequently the second edition of principles of toxicology testing starts with basic toxicological principles including absorption distribution metabolism and elimination of toxins including chemicals and drugs the book then continues with animal in vivo and in vitro toxicology testing methods associated with toxicological analysis and preclinical drug development as in the first edition the book begins with an introduction into the fundamentals of toxicology section i to prepare readers for the subsequent topics and continues through with a discussion of toxicokinetics and human risk assessment this introductory material is useful in understanding the applications of toxicology testing section ii describes the fundamental principles of toxicology testing in animals in greater detail this section describes acute toxicity studies as well as subchronic and chronic studies performed on animals special emphasis is placed on study design and determination of classical indicators for acute and chronic testing such as the LD_{50} the book examines other short and long term animal toxicity testing methodologies including dermal ocular and reproductive toxicity testing in addition mutagenicity and carcinogenicity studies are also discussed in separate chapters section iii introduces and discusses in vitro alternatives to animal toxicology tests this section emphasizes cell culture methodology and cellular methods for acute systemic toxicity target organ toxicity and local toxicity the contributors present the advantages and disadvantages of alternative methods they also describe

the use of high throughput screening and its applications the concepts of standardization and validation of in vitro techniques especially large organized validation efforts currently supported by us and eu regulatory agencies and the theories supporting the development of in vitro methodologies this second edition is a must read for undergraduate and graduate toxicology students industrial and academic research centers will also find the text useful for establishing a toxicology testing laboratory

Animal Models in Toxicology

2006-10-30

reflecting more than a decade s worth of changes animal models in toxicology second edition is a practical guide to the common statistical problems encountered in toxicology and the methodologies that are available to solve them the book presents a historical review of the use of animal models and an overview of broad considerations of me

Common Toxicologic Issues in Small Animals, An Issue of Veterinary Clinics: Small Animal Practice - E-Book

2012-03-26

a comprehensive review of toxicology for the small animal practitioner guest editors safdar khan and stephen hooser present articles on trends of animal poisoning cases in the usa use of lipid emulsions epidemiology of mushroom poisoning cases toxicology of adhd drugs toxicology of human nsaid diagnostic toxicology with emphasis on how to investigate or what to do in food related outbreaks toxicology of avermectins ivermectins moxidectin doramectin selamectin rodenticides toxicosis include difethiolone toxicology of newer pesticides toxicology of explosives recently recognized nephrotoxic agents toxicants calcium channel blocker toxicosis adverse effects and more

Clinical Veterinary Toxicology

2004

this book covers all aspects of toxicology including toxic diseases of large animals small animals and exotic pets it

provides key information on how poisons affect the body how the body responds to a foreign substance how poisonings are diagnosed and how poisonings are treated coverage includes every organ system of every species of animal with details on each body system s susceptibility to poison poisons affect animals differently depending on species breed age gender health status and reproductive status this resource addresses these differences allowing the veterinarian to determine the class of toxicant the mechanism of action and the proper course of treatment if confronted with an unknown poison the information in this book will assist the veterinarian in formulating a list of potential poisons based on the clinical signs that the animal is exhibiting and in choosing the appropriate tests to narrow the list to one or a few possible poisons most comprehensive toxicology book available written in a user friendly style that makes it easy to master the content covers poisonings in both large and small domestic animals the principles of toxicology section provides comprehensive coverage of concepts terminology toxicokinetics treatments and regulatory information the manifestations of toxicoses section is devoted to differentiating between poisons based on lesions and clinical signs the classes of toxicants section offers detailed information on each poison including sources risk factors pathophysiology clinical signs and lesions diagnostic testing and treatment the author is board certified in toxicology and the contributors are all toxicologists and educators ensuring authoritative up to date clinical information

Animal Models in Toxicology, Second Edition

2006-10-30

reflecting more than a decade s worth of changes animal models in toxicology second edition is a practical guide to the common statistical problems encountered in toxicology and the methodologies that are available to solve them the book presents a historical review of the use of animal models and an overview of broad considerations of metabolism and relevance used in toxicology individual chapters covering the eight major species used in toxicology and experimental biology form the core of the book with contributions from experts in toxicology toxicological pathology and species specific metabolism each of these chapters provide an excellent introductory course along with guidance to the literature for more detailed understanding the book goes on to make the case for a range of species not commonly used for safety assessment studies but which may provide useful alternative models for some specific endpoints the chapter authors discuss special considerations regarding the evaluation and interpretation of the clinical pathology of the eight major model species as well as how to select a model species and how to extrapolate the results to humans they detail potential pitfalls and situations that cause either human or model to be significantly more sensitive than the other or totally irrelevant to each other the book

concludes with an overview of the increasingly complex laws and regulations that govern how laboratory animals are obtained maintained and utilized and an appendix that provides a quick guide to commercial sources of laboratory animals

Small Animal Toxicology

2012-11-29

diagnose and determine treatment for toxic exposures in small animals with this quick reference small animal toxicology 3rd edition covers hundreds of potentially toxic substances providing the information you need to manage emergency treatment and prevent poisonings in companion animals to help you identify an unknown poison this guide provides a list of potential toxins based on clinical signs or symptoms it also includes a new color insert with 85 full color photographs of toxic plants and of lesions associated with various poisonings written by respected veterinarian michael e peterson and board certified veterinary toxicologist patricia a talcott along with a team of expert contributors this edition covers a wide variety of topics including toxicodynamics toxicokinetics effective history taking recognizing clinical signs of toxic exposures managing emergencies and supportive care of the poisoned patient comprehensive coverage of toxins poisons includes the full range of substances from acetaminophen to zinc including home products prescription medicines recreational drugs and more guidelines to evaluation diagnosis and treatment include examinations of the source toxic dose toxicokinetics clinical signs minimum database confirming tests treatment progress and differential diagnosis for each specific toxicant coverage of common poisonous substances includes grapes and raisins nicotine mercury mushrooms christmas time plants and snake and spider venoms toxicological concepts section provides information on toxicologic principles such as history taking providing supportive care and managing emergency treatment general exposures section addresses nontraditional toxicology such as indoor environmental air pesticides pharmaceuticals and toxicities in pregnant and lactating animals miscellaneous toxicant groups section covers commonly encountered specific toxicants the proper use of diagnostic laboratories use of human poison control centers and antidotes for specific toxins more than 50 international contributors provide up to date authoritative advice on treating poisonings and intoxications 20 new chapters have been added new topics include a list of toxicants affecting body systems management of toxins in pregnancy diagnostic toxicology bacterial toxins and cosmetic toilet articles snake bite injuries are treated in two separate expanded chapters pit vipers and coral snakes section on pharmaceuticals includes bromides anticonvulsants tricyclic antidepressants monoamine oxidase inhibitors b adrenergic toxicities and vitamins a and d additional specific toxicants are covered including amitraz

hydramethylon ethanol mercury toad toxins poisonous frogs salamanders newts and venomous arthropods
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Experimental and Comparative Toxicology

2013-10-22

experimental and comparative toxicology volume 31 aims to explore some of the potentially important and crucial areas in experimental toxicology the book discusses tumor promoters and genotoxic chemicals in short term testing for carcinogenicity as well as the significance of preneoplastic liver lesions in experimental animals the text also describes the factors known to be associated with increased risk of liver neoplasia as a human disease and the extent to which it is known that the same factors have a similar effect in laboratory animals neurobehavioral toxicology immunotoxicology and the endocrine system as the target in experimental toxicology are also considered the book further tackles the uses of gamma glutamyltransferase in experimental toxicology as well as the predictive value of ocular irritation tests toxicologists biochemists pathologists and those involved in preventive medicine and community health will find the text invaluable

Veterinary Toxicology

2011-04-28

veterinary toxicology 2nd edition is a unique single reference that teaches the basic principles of veterinary toxicology and builds upon these principles to offer an essential clinical resource for those practicing in the field this reference book is thoroughly updated with new chapters and the latest coverage of topics that are essential to research veterinary toxicologists students professors clinicians and environmentalists key areas include melamine and cyanuric acid toxicogenomics veterinary medical geology toxic gases toxicity and safety evaluation of new veterinary pharmaceuticals and much more the 2nd edition of this popular book represents the collective wisdom of leading contributors worldwide and continues to fill an undeniable need in the literature relating to veterinary toxicology new chapters covering important and timely topics such as melamine and cyanuric acid toxicogenomics toxic gases and veterinary medical geology expanded look at international topics such as epidemiology of animal poisonings regulatory guidelines and poisonous plants in europe heavily contributed book with chapters written by

qualified and well experienced authorities across all areas of veterinary toxicology problem solving strategies are offered for treatment as well as in depth knowledge of the basic mechanisms of veterinary toxicology

Animals and Alternatives in Toxicology

1991

the proceedings of a conference held in london november 1990 to discuss the second report of the frame the fund for the replacement of animals in medical experiments toxicity committee comprise the full reports of the committee s 12 working parties together with the invited comments of 23 independent discussants and edited transcripts of the general discussions together with a summing up by andre mclean clinical pharmacology university college london the committee s second report itself is included as an appendix annotation copyrighted by book news inc portland or

Anatomy and Histology of the Laboratory Rat in Toxicology and Biomedical Research

2019-02-08

anatomy and histology of the laboratory rat in toxicology and biomedical research presents the detailed systematic anatomy of the rat with a focus on toxicological needs most large works dealing with the laboratory rat provide a chapter on anatomy but fall far short of the detailed account in this book which also focuses on the needs of toxicologists and others who use the rat as a laboratory animal the book includes detailed guides on dissection methods and the location of specific tissues in specific organ systems crucially the book includes classic illustrations from miss h g q rowett along with new color photo micrographs written by two of the top authors in their fields this book can be used as a reference guide and teaching aid for students and researchers in toxicology in addition veterinary medical students researchers who utilize animals in biomedical research and researchers in zoology comparative anatomy physiology and pharmacology will find this book to be a great resource illustrated with over 100 black and white and color images to assist understanding contains detailed descriptions and explanations to accompany all images thus helping with self study designed for toxicologic research for people from diverse backgrounds including biochemistry pharmacology physiology immunology and general biomedical sciences

Animal Clinical Chemistry

1996

by presenting background information on the selection and application of biochemical tests in safety assessment studies this text seeks to provide a basis for improving the knowledge required to interpret data from toxicological studies in addition to chapters which discuss the assessment of specific organ toxicity such as the liver kidney and thyroid the book also covers pre analytical variables regulatory requirements and statistical approaches and highlights some of the major differences between man and different laboratory animals the editor and contributor are all members of the

A Toxicologist's Guide to Clinical Pathology in Animals

2015-03-25

this guide provides an easy to use desk reference for diagnostic information on commonly used hematology clinical chemistry and urinalysis parameters additional reference materials are provided as an aid in evaluating clinical pathology data for many toxicologists the evaluation of hematology clinical chemistry and urinalysis data can be the most challenging aspect of animal toxicity studies in a typical toxicity study dozens of parameters are measured several times over the course of the study there may be hundreds of data points each of which needs to be considered a toxicologist s guide to clinical pathology in animals will serve as an essential primer for toxicologists in training and in industry as well as for researchers and professionals in a veterinary practice or a laboratory

Natural Poisons and Venoms

2023-07-04

this book series is based on the book biogene gifte 3 edition published 2010 by wissenschaftliche verlagsgesellschaft stuttgart in german language because of the enormous increase in knowledge in the field of natural poisons and venoms the topic is now covered in 5 volumes in english language the focus of this volume is on the toxic ingredients of animal poisons and venoms their chemical structures their effects and modes of actions

in target organisms and on the biology of poisonous or venomous animals it highlights the symptoms of poisoning or envenoming in humans or animals cite case reports were available and gives hints on poisoning prevention and on potential treatments

Animal Hematotoxicology

2019-08-30

hematology data from in vivo toxicology studies remains one of the most predictive measures for human risk as the same measurements made in pre clinical toxicology studies can be made in early clinical trials covering the three main blood cell types erythrocytes leukocytes and thrombocytes this work is designed to clarify topics for new entrants to the fields of laboratory animal hematology and toxicology especially those topics where the rules for human hematology do not always apply an entire chapter is devoted to immunotoxicology a scientific discipline that is closely aligned with hematology the text also addresses pre analytical and analytical variables that affect animal studies as these play a far more important part when interpreting data in contrast to humans where many of these variables can be well controlled or have less physiological effect information has been collated from published papers textbooks and unpublished data readers are provided with key references to encourage further study

Veterinary Toxicology

2020

a textbook of modern toxicology is a unique resource that provides both students and practitioners with a wide ranging accessible overview of the discipline suitable for courses in environmental pharmacological medical and veterinary toxicology this essential text features chapters written by experts who address a range of key topics the fourth edition includes additional chapters on new approaches to toxicology molecular methods omics toxicogenomics proteomics and metabolomics bioinformatics and systems biology and continues the legacy of its predecessors to provide up to date insights into acute toxicity and chemical carcinogenesis organ toxicity in vitro and in vivo toxicity testing ecological risk assessment and many other areas of toxicology that help foster a solid comprehension of the field also featured in the fourth edition are end of chapter questions and a solutions manual available separately for academic adopters

A Textbook of Modern Toxicology

2011-09-20

animal models in toxicology is a single source reference for the use of animal models in toxicology chapters cover nine species used in toxicology and experimental biology with contributions from experts in toxicology toxicological pathology and species specific metabolism each of these chapters provides an excellent introductory course along with guidance to the literature for a more detailed understanding this edition includes five new chapters the first of these provides specific and detailed guidance on the humane efficient and effective performance of necropsies for laboratory animals other new chapters discuss new technologies available for laboratory animal research imaging technologies use of telemetry in animal studies transgenic animal models and immunology endpoint for assessment also provided is an overview of the increasingly complex laws and regulations that govern how laboratory animals are obtained maintained and utilized a helpful appendix provides a quick guide to commercial sources of laboratory animals

Animal Models in Toxicology, Third Edition

2015-08-05

this revised and expanded reference is a valuable aid for the practicing veterinary clinician in diagnosing and determining treatment for toxic exposures in small animals and for veterinary students as a supplement to their classroom instruction it contains chapters addressing nontraditional areas of toxicology not covered in conventional toxicology texts it also covers areas of toxicology which seem basic but are rarely discussed such as taking a toxicological history establishing a minimum database providing supportive care and managing emergency treatment of the poisoned patient the book is organized into three sections including 20 new chapters and new topics such as grapes and raisins lilies christmas time plants mercury and accidental poisoning in non traditional pets new two color design makes the book more esthetically pleasing and allows for quick retrieval of information toxic plant information summary tables make treatments for plant intoxications easy to find toxic plant quick reference based on clinical signs tables are included to support small animal veterinarians in cases of potential toxic plant ingestion summary charts at the beginning of each chapter in the specific toxicants section contain bulleted lists with clear cut information on the specific toxicant the clinical signs and prognosis a comprehensive review of all known potentially toxic substances is provided from a acetaminophen to z zinc

including the very latest on grape and raisin toxicity making this the most up to date and thorough text in this field 45 different experts contribute to this book all from the field of veterinary toxicology and medicine 20 new chapters have been added new topics include a list of toxicants affecting body systems management of toxins in pregnancy diagnostic toxicology bacterial toxins and cosmetic toilet articles snake bite injuries are treated in two separate expanded chapters pit vipers and coral snakes section on pharmaceuticals includes bromides anticonvulsants tricyclic antidepressants monoamine oxidase inhibitors beta adrenergic toxicities and vitamins A and D additional specific toxicants are covered including amitraz hydramethylon ethanol mercury toad toxins poisonous frogs salamanders newts and venomous arthropods additional specific toxicants are covered including amitraz hydramethylon ethanol mercury toad toxins poisonous frogs salamanders newts and venomous arthropods

Principles and Procedures for Evaluating the Toxicity of Household Substances

1977

this work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it this work is in the public domain in the united states of america and possibly other nations within the united states you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work scholars believe and we concur that this work is important enough to be preserved reproduced and made generally available to the public to ensure a quality reading experience this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy to read typeface we appreciate your support of the preservation process and thank you for being an important part of keeping this knowledge alive and relevant

Small Animal Toxicology - E-Book

2005-11-11

toxicology has made tremendous strides in the sophistication of the models used to identify and understand the mechanisms of agents that can harm or kill human and other higher organisms non animals or in vitro models started to gain significant use in the 1960s as a result of the increased concern over animal welfare economic factors and the need for greater sensitivity and understanding of mechanisms interest in in vitro models has

risen this volume demonstrates that there now exists a broad range of in vitro models for use in either identifying or understanding most forms of toxicity the availability of in vitro models spans both the full range of endpoints irritation sensitization lethality mutagenicity and developmental toxicity and the full spectrum of target organ systems skin eye heart liver kidney nervous system etc chapters are devoted to each of these speciality areas from a perspective of presenting the principal models and their uses and limitations chapters that overview the principles involved in the general selection and use of models and that address the issues of safety concerns and regulatory acceptance of these methods are also included

A General System of Toxicology, Or, A Treatise on Poisons, Found in the Mineral, Vegetable, and Animal Kingdoms

2021-09-09

approx 940 pages comprehensive coverage of toxins poisons includes the full range of substances from acetaminophen to zinc including home products prescription medicines recreational drugs and more coverage of common poisonous substances includes grapes and raisins nicotine mercury mushrooms christmas time plants and snake and spider venoms toxicological concepts section provides information on toxicological principles such as history taking providing supportive care and managing emergency treatment general exposures section addresses nontraditional toxicology such as indoor environmental air pesticides pharmaceuticals and toxicities in pregnant and lactating animals miscellaneous toxicant groups section covers commonly encountered specific toxicants the proper use of diagnostic laboratories use of human poison control centers and antidotes for specific toxins approximately 50 international contributors provide up to date authoritative advice on treating poisonings and intoxications new coverage of essential oils new overall content update includes substantial revisions to the guidelines for evaluation diagnosis and treatment include examinations of the source toxic dose toxicokinetics clinical signs minimum database confirming tests treatment progress and differential diagnosis for each specific toxicant new enhanced ebook on expert consult

In Vitro Toxicology, Second Edition

2000-11-02

the handbook of clinical toxicology of animal venoms is the first concise one volume book devoted to this important

subject the editors are internationally recognized authorities in the biology and clinical aspects of venomous and poisonous animals and the chapter authors are world leaders in their respective fields of toxicology all aspects of the topic are covered including information on the biology and taxonomy of poisonous animals their venom or poison diagnosis and general treatment principles and specific treatment the most up to date list of available antivenoms is provided coverage of venomous and poisonous animals is comprehensive with thorough discussions on shellfish poisoning ciguatera fugu coelenterates stingrays venomous fish blue ringed octopus sea snakes scorpions spiders insects and gila lizards individual chapters focus on snakes and snakebite in europe africa asia australia north america central america and south america nearly all clinical chapters have been written by clinicians with extensive experience treating the particular type of animal envenoming or poisoning under consideration no other book brings together such a wealth of information in this field and no other book provides it in a format useful to clinicians charged with the responsibility of treating envenomed or poisoned patients the handbook of clinical toxicology of animal venoms is an essential addition to all medical libraries emergency departments toxicology departments poison information centers and invaluable to all professionals working in these fields provided by publisher

Small Animal Toxicology - Elsevier eBook on VitalSource (Retail Access Card)

2023-10

ocular toxicity is routinely assessed in toxicology studies conducted for regulatory purposes ocular anatomy and physiology and the assessment of ocular toxicity itself can be challenging to scientists involved in the safety assessment of pharmaceuticals pesticides and other agents anatomical and physiological differences between species can impact the nature of ocular effects observed following intended or unintended exposure of ocular tissues to xenobiotics ocular toxicity in laboratory animals provides a concise reference addressing ocular anatomy and physiology across species that will enhance the design and interpretation of toxicology studies conducted for regulatory purposes the book provides an overview of routine and advanced techniques that are used to assess ocular toxicity including slit lamp biomicroscopy indirect ophthalmoscopy electrophysiology and imaging methods for the anterior and posterior segments of the eye additionally the book defines the regulatory expectations for pharmaceuticals intended to treat ocular diseases and for other non pharmaceutical regulated chemicals with contributions from experts in the field ocular toxicity in laboratory animals is an authoritative accessible guide for toxicologists and other scientists involved in conducting toxicology studies for regulatory purposes and or

reviewing data from such studies

Handbook of Clinical Toxicology of Animal Venoms and Poisons

2017

this book explores the factors which are critical in the selection of an appropriate animal species for toxicology studies and the subsequent extrapolation of the data to humans it provides some future directions for risk assessment activities at the environmental protection agency

Assessing Ocular Toxicology in Laboratory Animals

2012-12-04

natural toxins form a major component of the molecular tools used increasingly frequently by the ever growing number of laboratories of various kinds evidence for this is provided not only by the increasing number of firms including such toxins in their catalogues but also by the large number of demands received by those who discover new toxins twenty chapters survey important aspects of toxin origin their structure and molecular mechanism and their cellular and pathogenic effects in addition the text provides comprehensive and specific methodology for the application of these toxins in the research laboratory this begins with the description of the method of extraction biochemical and pharmacological characterization and assessment of purity and continues with methods for chemical modification e g labelling and eventually describes applications in pharmacological studies in vivo and or in vitro the length of this book has been kept reasonable by concentrating on

Human Risk Assessment

2020-09-30

nationally toxicology programs have evolved from a traditional exploration of the chemistry and applied toxicity of chemicals and drugs to a more comprehensive study of toxicology and toxicology testing as independent entities consequently the second edition of principles of toxicology testing starts with basic toxicological principles includin

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