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Male Infertility
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A Compendium of Guidelines and Related Materials. Good manufacturing practices and inspection
Northern Hemisphere data tabulations
Sterile Services Department
International Weather for Energy Calculations (Iwec)
Autocar
Handbook of Optomechanical Engineering
National Union Catalog
Practical Pharmaceutics
LEED Reference Guide for Building Design and Construction
Sterile Manufacturing
Technical Report Series
Contemporary Clinical Approaches, Andrology, ART and Antioxidants
Biosafety in Microbiological and Biomedical Laboratories
Communicate Care Cure
Biocontamination Control for Pharmaceuticals and Healthcare
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Contamination and ESD Control in High-Technology Manufacturing

NEVEAH PORTER

Male Infertility World Bank Publications
Biocontamination Control for Pharmaceuticals and Healthcare outlines a biocontamination strategy that tracks bio-burden control and reduction at each transition in classified areas of a facility. This key part of controlling risk escalation can lead to the contamination of medicinal products, hence necessary tracking precautions are essential. Regulatory authorities have challenged pharmaceutical companies, healthcare providers, and those in manufacturing practice to adopt a holistic approach to contamination control. New technologies are needed to introduce barriers between personnel and the environment, and to provide a rapid and more accurate assessment of risk. This book offers guidance on building a complete biocontamination strategy. Provides the information necessary for a facility to build a complete biocontamination strategy Helps facilities understand the main biocontamination risks to medicinal products Assists the reader in navigating regulatory requirements Provides insight into developing an environmental monitoring program Covers the types of rapid microbiological monitoring methods now available, as well as current legislation
Who Expert Committee on Specifications for Pharmaceutical Preparations Wiley-Blackwell
This new annual publication from the World Bank Group provides an overview and assessment of financial sector development around the world, with particular attention on medium- and low-income countries.

A Compendium of Guidelines and Related Materials. Good manufacturing practices and inspection WHO Technical Report
This book has been written by an international body of authors working in a variety of industries including electronics, biotechnology and pharmaceuticals, who discuss the considerations to be taken into account when designing cleanrooms. Three chapters describe how cleanrooms are designed for the principal manufacturing areas of microelectronics, pharmaceutical manufacturing and biotechnology. Other subjects covered are international design standards, the economics of cleanroom design, high efficiency air filtration, materials used in cleanroom construction, and the provision of clean gases and water. A unique feature of this new edition includes the application of cleanroom design technology to a mini environment such as a bench-top.
Northern Hemisphere data tabulations RSMeans
Includes entries for maps and atlases.
Sterile Services Department IAEA
Medicines from Animal Cell Culture focuses on the use of animal cell culture, which has been used to produce human and veterinary vaccines, interferon, monoclonal antibodies and genetically engineered products such as tPA and erythropoietin. It also addresses the recent dramatic expansion in cell-based therapies, including the use of live cells for tissue regeneration and the culture of stem cells. Medicines from Animal Cell Culture: Provides comprehensive descriptions of methods for cell culture and nutrition as well as the technologies for the preservation and characterisation of both the cells and the derived products Describes the preparation of stem cells and others for use in cell-based therapies – an area

of burgeoning research Includes experimental examples to indicate expected results Covers regulatory issues from the UK, the EU and the USA and reviews how these are developing around the world Addresses the key issues of standardisation and validation with chapters on GLP and GMP for cell culture processes Delivering insight into the exciting world of biological medicines and directions for further investigation into specific topics, Medicines from Animal Cell Culture is an essential resource for researchers and technicians at all levels using cell culture within the pharmaceutical, biotechnology and biomedical industries. It is of value to laboratory managers in these industries and to all those interested in this topic alike.
International Weather for Energy Calculations (Iwec) Academic Press
Quality assurance of pharmaceutical products is a continuing concern of WHO. Despite efforts made around the world to ensure a supply of quality and effective medicines, substandard, spurious and counterfeit products still compromise health care delivery in many countries. To respond to the global need for adequate quality assurance of pharmaceuticals, WHO's Expert Committee on Specifications for Pharmaceutical Preparations has over the years made numerous recommendations to establish standards and guidelines and to promote the effective functioning of national regulatory and control systems and the implementation of internationally agreed standards by trained personnel. Many of the relevant documents endorsed by the Committee are reproduced in this volume providing guidance covering all aspects of good manufacturing practices (GMP). Important texts on inspection are also included. Most of the material has been published separately in the Expert Committee's reports. This compendium brings it together to make it more accessible and of greater practical value to those working in faculties of pharmacy, in medicines regulation and control and in the pharmaceutical industry. This is the second updated edition of the compendium and includes texts published in 2005 and 2006 in the WHO Technical Report Series.
Autocar CRC Press
Microbiologists working in both the pharmaceutical and medical device industries, face considerable challenges in keeping abreast of the myriad microbiological references available to them, and the continuously evolving regulatory requirements. The Handbook of Microbiological Quality Control provides a unique distillation of such material, by providing a wealth of microbiological information not only on the practical issues facing the company microbiologist today, but also the underlying principles of microbiological quality assurance. All the chapters have been written by leading experts in this field. The Handbook of Microbiological Quality Control provides guidance on safe microbiological practices, including laboratory design and sampling techniques. The design storage, use and quality control of microbiological culture is considered in depth. Principles of enumeration and identification of micro-organisms, using both traditional and rapid methods as well as the pharmacopoeial methods for the detection of specified organisms, are elaborated in detail. Guidance is given on laboratory methods supporting the sterility assurance system: sterility testing, bioburden testing, the use of biological indicators and environmental monitoring methods, as well as methods for detecting and quantifying endotoxins. Pharmacopoeial methods for microbiological assay and preservative efficacy testing are reviewed. Problems for those involved in disinfection and cleansing techniques and microbiological audit are discussed from a practical viewpoint. Finally, a number of pertinent case studies and worked examples illustrate problems highlighted in the text. The Handbook of Microbiological Quality Control is the essential reference source for the professional microbiologist.
Handbook of Optomechanical Engineering Springer
Negli ospedali e nelle case di cura, l’impianto di condizionamento progettato e realizzato “a regola d’arte” in perfetta integrazione con il progetto globale, crea un ambiente salubre e confortevole, supporta la valenza e l’impegno del personale medico e paramedico, contribuendo al benessere e al recupero della salute del paziente. In un ambiente come l’edificio sanitario, già di per sé predisposto alla diffusione di infezioni nosocomiali, vista la presenza di pazienti eterogenei (probabili portatori di agenti patogeni facilmente aerotrasmessi), l’aria deve essere perfettamente condizionata, per poter cedere “energia del benessere” agli ambienti trattati. Essenziale in fase di progettazione conoscere le varie tipologie di reparti relativi ai pazienti e alle loro patologie, per poter garantire ad ognuno adeguate condizioni termoigrometriche che contribuiscano al loro recupero. Riscaldamento, raffrescamento, filtrazione, controllo igrometrico e termometrico, ricambio continuo dell’aria con una leggera sovrappressione, sono la forza del condizionamento dell’aria che deve garantire il comfort ed il perfetto avvolgimento aerotermico degli ambienti climatizzati. L’aria esterna prima di essere immessa, dovrà essere opportunamente filtrata e trattata in base alle esigenze cliniche, eliminando (ove richiesto) virus e batteri nocivi purificando l’aria. In tutti i casi, l’aria di ricambio dovrà essere in grado di creare nei locali una leggera sovrappressione ma sufficiente a salvaguardare gli ambienti da ogni possibile aggressione d’aria esterna insalubre. Quando l’annullamento del carico termico, sensibile e latente, è affidato al solo ricambio d’aria, si dovrà considerare innanzitutto un’immissione a garanzia dei volumi d’aria clinici richiesti, il controllo dell’umidità relativa e la filtrazione dell’aria adeguata ad ogni specifico caso. Diverse sono le modalità da adottare per soddisfare e garantire le esigenze cliniche ed ambientali richieste nelle strutture sanitarie. Ricerca tecnologica, risparmio energetico ed energia del benessere sono punti focali della progettazione di queste strutture. In una struttura sanitaria complessa come quella di un ospedale, si verificano situazioni disparate che richiedono altrettante soluzioni impiantistiche. La parte fondamentale è ricoperta soprattutto dagli impianti di condizionamento. Se poi si applica la tecnologia degli impianti di ventilazione e climatizzazione nei casi più critici (blocchi operatori, terapie intensive, degenze infettivi), la corretta progettazione di ogni singolo aspetto impiantistico diventa fondamentale per la gestione funzionale di ogni attività svolta all’interno della struttura. L’evoluzione delle terapie e della diagnostica ha introdotto nell’ospedale una componente tecnologica costituita da apparecchiature di servizio che il progettista deve conoscere, anche se non in modo specialistico, per una corretta progettazione degli spazi. È d’uopo tener presente che l’ospedale è un organismo in continua evoluzione, legato allo sviluppo delle tecnologie mediche e alle possibili variazioni delle esigenze dell’utenza. Questo comporta che all’interno dell’ospedale si necessiti di un frequente adeguamento delle destinazioni d’uso degli spazi interni e di conseguenza, anche di un frequente adeguamento delle dotazioni impiantistiche. È necessario quindi (essendo l’ospedale un organismo in continua attività) modificare anche gli impianti in base alle nuove esigenze, rendendo facile e veloce l’approccio ad eventuali modifiche, nonchè a lavori di manutenzione ordinaria e straordinaria, riducendo al minimo le interferenze con l’attività medica. Oltre ai requisiti e alle prestazioni che l’impiantistica generale deve assicurare alla configurazione base dell’ospedale, devono essere affrontati anche quelli aspetti legati ad una loro possibile variazione nel tempo. In sintesi, gli impianti di climatizzazione per gli ambienti ospedalieri richiedono accorgimenti, requisiti e soluzioni specifiche. Una corretta progettazione di ogni singolo aspetto impiantistico diventa di conseguenza, di fondamentale importanza per la funzionale gestione di ogni attività svolta all’interno della struttura.
National Union Catalog Alinea Editrice
Fibrous Filter Media comprehensively covers the types, manufacture, applications, performance, and modeling of fibrous filter media. Part I introduces the principles of gas and liquid filtration, while Part II presents an overview of the types of fibrous filters, including details of fiber types, fabric construction, and applications. Part III covers a variety of filtration applications in which fibrous assemblies are used, with examples ranging from filtration for improving air quality, to medical filters, to industrial waste-water filtration. Finally, Part III covers the properties and performance of fibrous filters, including chapters on filter performance and simulation. With its expert editors and international team of contributors, this important book provides information on fibrous filters relevant to fiber and textile scientists, and is also ideal for academics and industry professionals working in the field of filtration. Dr. Philip Brown is Sweetenburg Professor of polymer and textile engineering at Clemson University, USA. Dr. Christopher Cox is Professor of mathematical sciences at Clemson University, USA. Systematic and comprehensive coverage of the trends and new technologies being developed in the field of fibrous filter media Focused on the needs of the textiles and filtration industries, with a clear emphasis on applied technology Contains contributions from an international team of authors edited by an expert in the field
Practical Pharmaceutics CRC Press
This book aims to increase awareness about the importance of communication in health care. Written by healthcare professionals and Communication experts, it is replete with real-life scenarios that readers can identify with, and will serve as a guide to effective and efficient communication that affects the most important stakeholders in health care – The patient.
LEED Reference Guide for Building Design and Construction John Wiley & Sons
Provides guidance to help health planners, estates and facilities managers, sterile services managers and capital planning and design teams to plan and design a sterile services department. It discusses the objectives of a sterile services department (SSD) and service requirements, particularly focusing on: raising standards in decontamination services by optimising the built environment: service requirements strategy: calculating the optimum capacity of an SSD to eradicate bottlenecks: determining the most appropriate location of an SSD. Design guidance based on the above service objectives is outlined. Finally, the finer details of the individual spaces within an SSD are discussed.
Quality Assurance of PharmaceuticalsA Compendium of Guidelines and Related Materials. Good manufacturing practices and inspection
Pharmaceutical Technology – Concepts and Applications articulates on the various pharmaco-technological concepts associated with industrial pharmacy. The book not only focuses on providing comprehensive information on formulation development and affiliated areas but also emphasizes on their industrial applications. With a plethora of examples that illustrate important concepts, the book equips students of pharmacy to rise to the requirements of the industry.
Sterile Manufacturing John Wiley & Sons
Contains "typical" weather data in ASCII format, suitable for use with building energy simulation programs, for 227 locations outside the USA and Canada. The files are derived from up to 18 years of DATSAV3 hourly weather data originally archived at the National Climatic Data Center. The weather data are supplemented by solar radiation estimated on an hourly basis from earth-sun geometry and hourly weather elements, particularly cloud amount information. This CD is the result of ASHRAE Research Project 1015.The CD contains the user's manual and complete research report in PDF, the weather data in printable ASCII format and a version of Adobe Acrobat Reader. To run Acrobat Reader, a 486 or Pentium-based computer and either Microsoft Windows 95 or Windows NT 3.5 or later is required. Will also run on a Macintosh. For Windows 95 and NT, 8MB or RAM (16MB recommended) and 10MB of free hard-disk space are required.
Technical Report Series McGraw Hill Professional
A practical guide to industrial automation concepts, terminology, and applications Industrial Automation: Hands-On is a single source of essential information for those involved in the design and use of automated machinery. The book emphasizes control systems and offers full coverage of other relevant topics, including machine building, mechanical engineering and devices, manufacturing business systems, and job functions in an industrial environment. Detailed charts and tables serve as handy design aids. This is an invaluable reference for novices and seasoned automation professionals alike. COVERAGE INCLUDES: * Automation and manufacturing * Key concepts used in automation, controls, machinery design, and documentation * Components and hardware * Machine systems * Process systems and automated machinery * Software * Occupations and trades * Industrial and factory business systems, including Lean manufacturing * Machine and system design * Applications
Contemporary Clinical Approaches, Andrology, ART and Antioxidants Wolters kluwer india Pvt Ltd
Policy analysis in Canada brings together original contributions from many of the field’s leading scholars. Contributors chronicle the evolution of policy analysis in Canada over the past 50 years and reflect on its application in both governmental and non-governmental settings. As part of the International Library of Policy Analysis series, the book enables cross-national comparison of public policy analysis concepts and practice within national and sub-national governments, media, NGOs and other institutional settings. Informed by the latest scholarship on policy analysis, the volume is a valuable resource for academics and students of policy studies, public management, political science and comparative policy studies.
Biosafety in Microbiological and Biomedical Laboratories Dario Flaccovio Editore
This set of six volumes provides a systematic and standardized description of 23,033 chemical components isolated from 6,926 medicinal plants, collected from 5,535 books/articles published in Chinese and international journals. A chemical structure with stereo-chemistry bonds is provided for each chemical component, in addition to conventional information, such as Chinese and English names, physical and chemical properties. It includes a name list of medicinal plants from which the chemical component was isolated. Furthermore, abundant pharmacological data for nearly 8,000 chemical components are presented, including experimental method, experimental animal, cell type, quantitative data, as well as control compound data. The seven indexes allow for complete cross-indexing. Regardless whether one searches for the molecular formula of a compound, the pharmacological activity of a compound, or the English name of a plant, the information in the book can be retrieved in multiple ways.

Communicate Care Cure World Health Organization
A practical "how to" guide that effectively deals with the control of both contamination and ESD This book offers effective strategies and techniques for contamination and electrostatic discharge (ESD) control that can be implemented in a wide range of high-technology industries, including semiconductor, disk drive, aerospace, pharmaceutical, medical device, automobile, and food production manufacturing. The authors set forth a new and innovative methodology that can manage both contamination and ESD, often considered to be mutually exclusive challenges requiring distinct strategies. Beginning with two general chapters on the fundamentals of contamination and ESD control, the book presents a logical progression of topics that collectively build the necessary skills and knowledge: Analysis methods for solving contamination and ESD problems Building the contamination and ESD control environment, including design and construction of cleanrooms and ESD protected environments Cleaning processes and the equipment needed to support these processes Tooling design and certification Continuous monitoring Consumable supplies and packaging materials Controlling contamination and ESD originating from people Management of cleanrooms and ESD protected workplace environments Contamination and ESD Control in High-Technology Manufacturing conveys a practical, working knowledge of contamination and ESD control strategies and techniques, and it is filled with case studies that illustrate key principles and the benefits of contamination and ESD control. Moreover, its straightforward style makes the material, which integrates many disciplines of engineering and science, clear and accessible. Written by three leading industry experts, this book is an essential guide for engineers and designers across the many industries where contamination and ESD control is a concern.

Biocontamination Control for Pharmaceuticals and Healthcare JAPAN INDUSTRIAL PUBLISHING
This book contains essential knowledge on the preparation, control, logistics, dispensing and use of medicines. It features chapters written by experienced pharmacists working in hospitals and academia throughout Europe, complete with practical examples as well as information on current EU-legislation. From prescription to production, from usage instructions to procurement and the impact of medicines on the environment, the book provides step-by-step coverage that will help a wide range of readers. It offers product knowledge for all pharmacists working directly with patients and it will enable them to make the appropriate medicine available, to store medicines properly, to adapt medicines if necessary and to dispense medicines with the appropriate information to inform patients and caregivers about product care and how to maintain their quality. This basic knowledge will also be of help to industrial pharmacists to remind and focus them on the application of the medicines manufactured. The basic and practical knowledge on the design, preparation and quality management of medicines can directly be applied by the pharmacists whose main duty is production in community and hospital pharmacies and industries. Undergraduate as well as graduate pharmacy students will find knowledge and backgrounds in a fully coherent way and fully supported with examples.

Fortieth Report Woodhead Publishing
This report presents the recommendations of an international group of experts convened by the World Health Organization to consider matters concerning the quality assurance of pharmaceuticals and specifications for drug substances and dosage forms. The report is complemented by a number of annexes. These include: a list of available international chemical reference substances and international infrared spectra; supplementary guidelines on good manufacturing practices for heating, ventilation and air-conditioning systems for non-sterile pharmaceutical dosage forms; updated supplementary guidelines on good manufacturing practices for the manufacture of herbal medicines; supplementary guidelines on good manufacturing practices for validation; good distribution practices for pharmaceutical products; a model quality assurance system for procurement agencies (recommendations for quality assurance systems focusing on prequalification of products and manufacturers, purchasing, storage and distribution of pharmaceutical products); multisource (generic) pharmaceutical products: guidelines on registration requirements to establish interchangeability; a proposal to waive in vivo bioequivalence requirements for WHO Model List of Essential Medicines immediate-release, solid oral dosage forms; and additional guidance for organizations performing in vivo bioequivalence studies. ...This is an excellent book with a misleading title... a good reference work for anyone seeking to understand the concept of validation and looking for general guidance on validation for both Active Pharmaceutical Ingredients (API) and finished pharmaceutical products. Annex 5 on Good distribution practices (GDP) for pharmaceutical products is an excellent Annex that splits the task of GDP into 20, small, easy to digest sections that guide the reader through the process of understanding the complexity of controlling distribution of pharmaceutical products. It contains a comprehensive glossary of terms used in GDP... a useful reference book for anyone involved in Quality Assurance, Manufacturing of marketed products, Clinical Manufacturing and Development. - Industrial Pharmacy

WHO Expert Committee on Specifications for Pharmaceutical Preparations Birkhäuser
This is the seventh edition of a book that provides best practice guidelines and detailed technical procedures for blood transfusion services. It takes account of the European Directives on blood and tissues and resulting UK regulations and indicates which of the guidelines that are now legal requirements.