
Acces PDF Rapid Testing

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KEY=TESTING - HARPER TATE

RAPID TESTING

Prentice Hall *Rapid Testing addresses the growing need for constant, early, and efficient testing in today's fast-paced software development environment. Covers all aspects of testing, including bug tracking and reporting, verification and validation, test planning, test design and development, metrics, effort estimation, and reporting.*

TESTING BUSINESS IDEAS

A FIELD GUIDE FOR RAPID EXPERIMENTATION

John Wiley & Sons *A practical guide to effective business model testing 7 out of 10 new products fail to deliver on expectations. Testing Business Ideas aims to reverse that statistic. In the tradition of Alex Osterwalder's global bestseller Business Model Generation, this practical guide contains a library of hands-on techniques for rapidly testing new business ideas. Testing Business Ideas explains how systematically testing business ideas dramatically reduces the risk and increases the likelihood of success for any new venture or business project. It builds on the internationally popular Business Model Canvas and Value Proposition Canvas by integrating Assumptions Mapping and other powerful lean startup-style experiments. Testing Business Ideas uses an engaging 4-color format to: Increase the success of any venture and decrease the risk of wasting time, money, and resources on bad ideas Close the knowledge gap between strategy and experimentation/validation Identify and test your key business assumptions with the Business Model Canvas and Value Proposition Canvas A definitive field guide to business model testing, this book features practical tips for making major decisions that are not based on intuition and guesses. Testing Business Ideas shows leaders how to encourage an experimentation mindset within their organization and make experimentation a continuous, repeatable process.*

PYTHON TESTING WITH PYTEST

SIMPLE, RAPID, EFFECTIVE, AND SCALABLE

Pragmatic Bookshelf *Do less work when testing your Python code, but be just as expressive, just as elegant, and just as readable. The pytest testing framework helps you write tests quickly and keep them readable and maintainable - with no boilerplate code. Using a robust yet simple fixture model, it's just as easy to write small tests with pytest as it is to scale up to complex functional testing for applications, packages, and libraries. This book shows you how. For Python-based projects, pytest is the undeniable choice to test your code if you're looking for a full-featured, API-independent, flexible, and extensible testing framework. With a full-bodied fixture model that is unmatched in any other tool, the pytest framework gives you powerful features such as assert rewriting and plug-in capability - with no boilerplate code. With simple step-by-step instructions and sample code, this book gets you up to speed quickly on this easy-to-learn and robust tool. Write short, maintainable tests that elegantly express what you're testing. Add powerful testing features and still speed up test times by distributing tests across multiple processors and running tests in parallel. Use the built-in assert statements to reduce false test failures by separating setup and test failures. Test error conditions and corner cases with expected exception testing, and use one test to run many test cases with parameterized testing. Extend pytest with plugins, connect it to continuous integration systems, and use it in tandem with tox, mock, coverage, unittest, and doctest. Write simple, maintainable tests that elegantly express what you're testing and why. What You Need: The examples in this book are written using Python 3.6 and pytest 3.0. However, pytest 3.0 supports Python 2.6, 2.7, and Python 3.3-3.6.*

RAPID TESTING OF OILSEEDS FOR OIL QUANTITY AND IODINE NUMBER OF OIL

RAPID REVIEW

ANATOMY REFERENCE GUIDE

Anatomical Chart Company *Quickly master the anatomical knowledge you need for exam and practice success! This updated Fourth Edition of Rapid Review offers everything you need for quick and effective memorization of key anatomical knowledge. Organized into 31 easy-to-use sections and enhanced by a lay-flat spiral binding, this must-have resource provides labels on clear overlays that allow you test yourself and immediately see what you've mastered and what you still need to work on. The left side of each two-page spread pairs four-color illustrations of major systems, organs, and structures with labels on overlays for easy review and self-testing. The right side of each spread includes related information--additional full-color illustrations, key facts, location of the organ or system highlighted on a human figure, roots of key words and their meanings, and terminology and definitions. A bright new design and updated text and labels make studying even more efficient. Enrich Your eBook Reading Experience with Enhanced Video, Audio and*

Interactive Capabilities! Read directly on your preferred device(s), such as computer, tablet, or smartphone Easily convert to audiobook, powering your content with natural language text-to-speech Adapt for unique reading needs, supporting learning disabilities, visual/auditory impairments, second-language or literacy challenges, and more

RAPID LOAD TESTING ON PILES

CRC Press To obtain data about the stiffness and bearing capacity of a foundation pile, the Rapid Load Test could be an effective and economic alternative for a static load test. In order to judge this, the influence of rate effects in clay and pore water pressures in sand should first be understood. This book presents the latest developments in the research

THE USE OF RAPID SYPHILIS TESTS

World Health Organization This manual provides a general overview on the use of rapid syphilis tests, their purchase, transport and storage.--Publisher's description.

ECONOMIC EVALUATION OF RAPID HIV TESTING APPROACHES

Introduction HIV testing is an important step in controlling the spread of HIV worldwide. Data from the UNAIDS suggests that about 50% of people living with HIV are unaware of their diagnosis. Canadian estimates suggest that about 25% of HIV infected persons are unaware of their status. Ontario specific estimates suggests that there may be close to 40,000 persons living with HIV in Ontario; however, 27,000 persons are known and documented to be living with HIV in Ontario. The importance of testing and early diagnosis is well documented with evidence demonstrating that early treatment improves outcomes both for infected individuals and the communities they live in. This premise forms the foundation for the highly effective "treatment as prevention" approach. There are currently many HIV testing approaches including serum and saliva-based technologies. Testing can also be categorized based on duration to receipt of test result. With conventional HIV testing, results become available after greater than 24 hours. Rapid testing approaches such as rapid - facility based testing; rapid - location based testing; and rapid - mobile testing ensure results are available within 24 hours and in many cases, within a few minutes. Effectiveness studies of individual approaches have been conducted, however, studies on the cost-effectiveness of the various approaches in Canada are presently lacking. Most of the available economic studies have been conducted in high prevalence low-income countries, and as such, are not entirely applicable to the Canadian experience. Research objectives The overall aim of the thesis is to investigate the program and performance effectiveness, as well as the economic evidence for the use of rapid HIV testing options compared with existing conventional testing options. To achieve this there were three specific objectives, namely: i. To perform a systematic review of the available cost effectiveness evidence of rapid HIV testing approaches. ii. To perform a second systematic review and determine relative effect estimates for the use of available rapid HIV testing approaches versus conventional approaches iii. To determine the cost effectiveness estimates of the use of these testing approaches as they apply to a Canadian context. Results Rapid HIV Testing for improving uptake of HIV/AIDS services in people with HIV Infection - A Systematic Review and Network Meta-analysis HIV testing has evolved to include rapid testing done in hospitals, non-clinical environments such as bathhouses, places of worship, learning environments and in other cases mobile HIV testing options have also been offered using mobile vans or other motorized vehicles. While there is overall evidence from systematic reviews and meta-analysis of the head-to-head benefits of rapid HIV testing compared to conventional HIV testing, there is insufficient evidence of the indirect benefits of the various types of rapid HIV testing based on location of the tests to identify if there is a differential benefit based on the location where the testing was conducted. This study addressed this by conducting a systematic review and a network-meta-analysis of the HIV testing options. From 3329 articles, we included 4 randomised controlled trials and 1 cluster randomised controlled trial that compared conventional hospital-based HIV testing with rapid HIV testing options stratified by testing location and conducted both head-to-head and indirect testing comparison of these approaches. For our analysis we used RevMan and NetMetaXL respectively. We present our effect estimates as relative risks. Our analysis showed that with direct head-to-head comparison, both facility and location based rapid voluntary counselling and testing (VCT) were associated with improvements in receipt of results (relative risk (RR) = 2.52; 95% CI: 1.33 to 4.75); and (RR = 1.76; 95% CI: 1.46 to 2.12) respectively. Of note, head to head analysis from two studies including 83,825 subjects showed that rapid facility-based HIV testing was associated with increased HIV case finding among participants (RR = 1.90; 95% CI: 1.05 to 3.43). Heterogeneity between the two studies was low (I² = 0%; p =

RAPID LOAD FRACTURE TESTING

ASTM International

RAPID LOAD TESTING ON PILES

INTERPRETATION GUIDELINES

CRC Press A Rapid Load Test (RLT), developed to determine the initial stiffness and bearing capacity, is an economical and practical alternative to a Static Load Test (SLT). The broad application of RLT, however, was hampered by uncertainty about the interpretation of the test results. This book offers clear guidance on the available analysis techniques and their reliability. The guidelines were related to an international standard that is drawn up by CEN and can be used in two ways: Straightforward interpretation of test results, chapters 1-3 Interpretation with additional background information about the possibilities and limitations, chapters 4-8 The guidelines were drawn up by the Dutch CUR-committee on rapid load testing on piles. Chapters 1 and 2 deal with the practical execution of the test and the presentation of the results. Chapter 3 gives a general overview of existing interpretation methods and refers to step-by-step descriptions of the two advised interpretation methods. The aspects that are important for the interpretation are discussed in chapter 4, also showing that the inertia of the pile should be taken into account. In clay soil the rate effect (the dependency of strength and stiffness on loading rate) is also of importance, whereas in sand and silt the generation of pore water pressures during an RLT plays a role. The velocity of the RLT is such that the reaction of sand and silt might be considered as partially

drained. These guidelines indicate how these effects can be compensated to obtain the static resistance in the final results. Chapter 5 presents two interpretation methods (a method for piles in sand, gravel, silt and piles on rock and a method for piles in clay). For practical use, the methods are described in a step-by-step scheme in an appendix.

COMPUTER-BASED LANGUAGE TESTING: C-TEST VS. RAPID PROFILE

GRIN Verlag Seminar paper from the year 2006 in the subject English Language and Literature Studies - Linguistics, grade: 1,0, University of Paderborn, course: Einführung in die Informations- und Kommunikationstechnologien: Electronic Tools and Resources for Linguists, 11 entries in the bibliography, language: English, abstract: Testing is an important part of language teaching. Tests can be used to place students in courses according to their knowledge, to diagnose their strengths and weaknesses, to identify their proficiency etc. There are many theories about what tests should analyse and how they should be taken. Depending on the relevance of the results, tests need to be more or less accurate. Furthermore, they should have a beneficial backwash on teaching. It is thus at least as important to examine testing itself.

RAPID TESTING OF OILSEEDS FOR OIL QUANTITY AND IODINE NUMBER OF OIL

RAPID TESTING METHODS OF DRUGS OF ABUSE

MANUAL FOR USE BY NATIONAL LAW ENFORCEMENT AND NARCOTICS LABORATORY PERSONNEL

United Nations Publications The manual provides practical assistance to law enforcement agencies and forensic laboratories. It contains general guidelines for law enforcement officers on sampling a suspect material; an outline on the execution of various field testing methods; guidelines for the interpretation of the results; and characteristics for precursors and essential chemicals. The manual also outlines a suggested training programme for chemical field testing to assist law enforcement agencies in developing their training programmes.

LEARN HUMAN-COMPUTER INTERACTION

SOLVE HUMAN PROBLEMS AND FOCUS ON RAPID PROTOTYPING AND VALIDATING SOLUTIONS THROUGH USER TESTING

Packt Publishing Ltd Explore fundamentals, strategies, and emerging techniques in the field of human-computer interaction to enhance how users and computers interact Key Features Explore various HCI techniques and methodologies to enhance the user experience Delve into user behavior analytics to solve common and not-so-common challenges faced while designing user interfaces Learn essential principles, techniques and explore the future of HCI Book Description Human-Computer Interaction (HCI) is a field of study that researches, designs, and develops software solutions that solve human problems. This book will help you understand various aspects of the software development phase, from planning and data gathering through to the design and development of software solutions. The book guides you through implementing methodologies that will help you build robust software. You will perform data gathering, evaluate user data, and execute data analysis and interpretation techniques. You'll also understand why human-centered methodologies are successful in software development, and learn how to build effective software solutions through practical research processes. The book will even show you how to translate your human understanding into software solutions through validation methods and rapid prototyping leading to usability testing. Later, you will understand how to use effective storytelling to convey the key aspects of your software to users. Throughout the book, you will learn the key concepts with the help of historical figures, best practices, and references to common challenges faced in the software industry. By the end of this book, you will be well-versed with HCI strategies and methodologies to design effective user interfaces. What you will learn Become well-versed with HCI and UX concepts Evaluate prototypes to understand data gathering, analysis, and interpretation techniques Execute qualitative and quantitative methods for establishing humans as a feedback loop in the software design process Create human-centered solutions and validate these solutions with the help of quantitative testing methods Move ideas from the research and definition phase into the software solution phase Improve your systems by becoming well-versed with the essential design concepts for creating user interfaces Who this book is for This book is for software engineers, UX designers, entrepreneurs, or anyone who is just getting started with user interface design and looking to gain a solid understanding of human-computer interaction and UX design. No prior HCI knowledge is required to get started.

RAPID DETECTION, CHARACTERIZATION, AND ENUMERATION OF FOODBORNE PATHOGENS

American Society for Microbiology Press Detect foodborne pathogens early and minimize consumer exposure. • Presents the latest guidelines for fast, easy, cost-effective foodborne pathogen detection. • Enables readers to avoid common pitfalls and choose the most effective and efficient method, assemble the necessary resources, and implement the method seamlessly. • Includes first-hand laboratory experience from more than 85 experts from research centers across the globe.

STRATEGIC DIAGNOSTICS INC. MICROTOX RAPID TOXICITY TESTING SYSTEM

DIANE Publishing

RAPID REVIEW LABORATORY TESTING IN CLINICAL MEDICINE E-BOOK

Elsevier Health Sciences Get the most from your study time...with this high-yield print and electronic study package! This volume in the "Rapid Review" series - a series that is highly rated in the First Aid rankings - makes it easy for you to master laboratory testing in clinical medicine. An outline format and abundant charts, tables, and diagrams enable you to quickly access important information, and 212 review questions - presented in USMLE format - provide crucial self assessment for maximum exam and ward preparation. It's

the perfect resource for medical students, residents, or practitioners who are preparing for the USMLEs, certification, or recertification. Emphasizes clinically relevant content including disease diagnosis, test selection, and test-altering variables. Provides an at-a-glance, outline-format review of all of the information you need to know. Makes studying easier with a user-friendly 2-color layout, Hi-Yield Margin Notes, and Key Points. Offers 212 USMLE-style review questions inside the book at the end of each chapter, with a full rationale for why every possible answer is right or wrong. Each of the 212 questions is available online at www.studentconsult.com - using the Rapid Review Testing Tool, providing detailed feedback on which areas you may need to study more.

TESTING IOS APPS WITH HADOOPUNIT

RAPID DISTRIBUTED GUI TESTING

Springer Nature Smartphone users have come to expect high-quality apps. This has increased the importance of software testing in mobile software development. Unfortunately, testing apps—particularly the GUI—can be very time-consuming. Exercising every user interface element and verifying transitions between different views of the app under test quickly becomes problematic. For example, execution of iOS GUI test suites using Apple's UI Automation framework can take an hour or more if the app's interface is complicated. The longer it takes to run a test, the less frequently the test can be run, which in turn reduces software quality. This book describes how to accelerate the testing process for iOS apps using HadoopUnit, a distributed test execution environment that leverages the parallelism inherent in the Hadoop platform. HadoopUnit was previously used to run unit and system tests in the cloud. It has been modified to perform GUI testing of iOS apps on a small-scale cluster—a modest computing infrastructure available to almost every developer. Experimental results have shown that distributed test execution with HadoopUnit can significantly outperform the test execution on a single machine, even if the size of the cluster used for the execution is as small as two nodes. This means that the approach described in this book could be adopted without a huge investment in IT resources. HadoopUnit is a cost-effective solution for reducing lengthy test execution times of system-level GUI testing of iOS apps.

HUMAN IMMUNODEFICIENCY VIRUS (HIV) RAPID DIAGNOSTIC TESTS FOR PROFESSIONAL USE AND/OR SELF-TESTING

World Health Organization The purpose of this document is to provide technical guidance to in vitro diagnostic medical device (IVD) manufacturers that intend to seek WHO prequalification of rapid diagnostic tests (RDTs) for the detection of human immunodeficiency virus (HIV). The minimum performance requirements for WHO prequalification are summarized in this document, and apply equally to RDTs intended solely for HIV detection and those in which HIV detection is one component of a multi-detection assay (for example, an HIV/syphilis dual-detection RDT). This document applies to RDTs intended to be used as an aid to diagnosis of HIV infection. The current version of this document does not address IVDs that discriminate between the detection of HIV-1 and HIV-2 infection, IVDs intended as confirmatory tests, or the requirements for accompanying quality control materials.

RAPID DETECTION OF FOOD ADULTERANTS AND CONTAMINANTS

THEORY AND PRACTICE

Academic Press Rapid Detection of Food Adulterants and Contaminants: Theory and Practice contains solid information on common adulterants and contaminants in various foods, guidelines for different standards, permissible limits prescribed by food regulatory authorities, and related detection techniques. This is an essential reference for anyone interested in progressive research on detection methods for food safety, especially researchers engaged in developing fast, reliable, and often nondestructive methods for the evaluation of food safety. Reviews the most common detection methods of food adulterants and contaminants Includes supporting theory behind the latest techniques Presents case studies to better understand practical applications and resources for further research Addresses the safety standards of a variety of governments and serves as a reference for why government procedures are put in place

MODIFICATION OF CENTRAL SOLENOID MODEL COIL TEST FACILITY FOR RAPID TESTING OF CICC.

This document describes preliminary design modifications to the CSMC Test Facility in JAEA, Naka, Japan that will allow rapid test and change-out of CS conductor samples while simultaneously achieving more precise and reliable characterization of those samples than is presently achievable elsewhere. The current philosophy for CS conductor testing is to test an Insert in CSMC followed by SULTAN testing. The SULTAN facility has very short length in field and a short length between the High Field Zone and the joints. This makes it difficult to obtain uniform distribution of current in the cable at low voltage levels, which defines the current sharing temperature. In a real magnet, like ITER CS, there is a long length of conductor in the highest field. Such conditions provide a more uniform current distribution near current sharing. The modified facility will serve as an economical tool for ITER conductor testing. The test item will be a three turn sample, approximately 15 m long, placed in the background field of the CSMC. This new mode of operation will reduce the time of cool-down, warm-up and installation of the sample into the CSMC facility, which should significantly reduce the cost of a test per sample.

RAPID REVIEW: ANATOMY REFERENCE GUIDE

A GUIDE FOR SELF-TESTING AND MEMORIZATION

Lippincott Williams & Wilkins Quickly master the anatomical knowledge you need for exam and practice success! This updated Fourth Edition of Rapid Review: Anatomy Reference Guide offers everything you need for quick and effective memorization of key anatomical knowledge. Organized into 31 easy-to-use sections and enhanced by a lay-flat spiral binding, this must-have resource provides labels on clear overlays that allow you test yourself and immediately see what you've mastered and what you still need to work on.

THE DEVELOPMENT OF A RAPID TESTING METHOD FOR PERSONAL AEROSOL SAMPLERS

RAPID DETECTION ASSAYS FOR FOOD AND WATER

Royal Society of Chemistry *The detection of harmful chemicals and microbial pathogens in food and water destined for consumers is of paramount importance the world over and it is vital that new techniques and discoveries are widely disseminated. Bringing together international experts in the field, Rapid Detection Assays for Food and Water presents original, state-of-the-art research and a review of the established methods in this key subject area. Covering the four main areas of water microbiology, water chemistry, food microbiology and food chemistry, the book discusses highly sensitive chemical and biological detection systems. There are applications ranging from sample preparation methods to end detection. Subject areas include biosensors, the detection of pesticide residues, GM components, various chemicals and toxins as well as protozoan parasites and viral/bacterial pathogens in a wide range of materials. This book will be welcomed by researchers and professionals in industry, academia and government agencies.*

TEST-DRIVING JAVASCRIPT APPLICATIONS

RAPID, CONFIDENT, MAINTAINABLE CODE

Pragmatic Bookshelf *Debunk the myth that JavaScript is not easily testable. Whether you use Node.js, Express, MongoDB, jQuery, AngularJS, or directly manipulate the DOM, you can test-drive JavaScript. Learn the craft of writing meaningful, deterministic automated tests with Karma, Mocha, and Chai. Test asynchronous JavaScript, decouple and properly mock out dependencies, measure code coverage, and create lightweight modular designs of both server-side and client-side code. Your investment in writing tests will pay high dividends as you create code that's predictable and cost-effective to change. Design and code JavaScript applications with automated tests. Writing meaningful tests is a skill that takes learning, some unlearning, and a lot of practice, and with this book, you'll hone that skill. Fire up the editor and get hands-on through practical exercises for effective automated testing and designing maintainable, modular code. Start by learning when and why to do manual testing vs. automated verification. Focus tests on the important things, like the pre-conditions, the invariants, complex logic, and gnarly edge cases. Then begin to design asynchronous functions using automated tests. Carefully decouple and mock out intricate dependencies such as the DOM, geolocation API, file and database access, and Ajax calls to remote servers. Step by step, test code that uses Node.js, Express, MongoDB, jQuery, and AngularJS. Know when and how to use tools such as Chai, Istanbul, Karma, Mocha, Protractor, and Sinon. Create tests with minimum effort and run them fast without having to spin up web servers or manually edit HTML pages to run in browsers. Then explore end-to-end testing to ensure all parts are wired and working well together. Don't just imagine creating testable code, write it. What You Need: A computer with a text editor and your favorite browser. The book provides instructions to install the necessary automated testing-related tools.*

RAPID TEST

ADVANCES IN DESIGN, FORMAT AND DIAGNOSTIC APPLICATIONS

BoD - Books on Demand *Rapid tests, also known as point-of-care tests, have been in use for decades in the clinical and medical area and have become increasingly popular as an efficient screening method for conducting on-site analysis thanks to their simplicity, speed, specificity and sensitivity. Nowadays, rapid tests are widely applied for clinical, drug, food, forensic and environmental analysis and fields of application are rapidly increasing together with advances in the technology. The growing interest in rapid tests and their expanding application in diverse fields, together with requirements of improved sensitivity, reliability, multiple detection capacity and robustness, are prompting innovation in the design of novel platforms, and in the exploitation of innovative detection strategies. The book covers advances in materials, technology and test design.*

PCC RAPID TESTING

KELLY VAIL

This is an evaluation of the Kelly-Vail test to determine the Percent Water and the Percent Cement in Plastic Portland Cement Concrete.

PROOF AND CONCEPTS IN RAPID DIAGNOSTIC TESTS AND TECHNOLOGIES

BoD - Books on Demand *This book gives a comprehensive overview of the recent advancements and developments of rapid diagnostic tests (RDTs) and technologies, which are quite novel approaches and might be used as laboratory bench manual for the rapid diagnosis of the various disease conditions. The book focuses on various aspects and properties of RDTs, point-of-care tests (POCTs), quality control, assurance, calibration, safety, nano-/microfluidic technologies, and fusion with DNA technologies. I hope that this work might increase the interest in this field of research and that the readers will find it useful for their investigations, management, and clinical usage.*

FE REVIEW MANUAL

RAPID PREPARATION FOR THE FUNDAMENTALS OF ENGINEERING EXAM

Professional Publications Incorporated *The Best-Selling Book for FE Exam Preparation The FE Review Manual is the most trusted FE exam preparation book. Gain a better understanding of key concepts and save prep time by reviewing FE exam topics and NCEES Handbook equations in a single location. These equations, along with NCEES Handbook figures and tables, are distinguished in green text for easy cross-referencing. Use the 13 diagnostic exams to identify where you need the most review and improve your problem-*

solving skills with over 1,200 practice problems. You can also look for PPI's new discipline-specific FE review manuals: FE Civil Review Manual FE Mechanical Review Manual FE Other Disciplines Review Manual Entrust your FE exam preparation to the FE Review Manual and get the power to pass the first time—guaranteed—or we'll refund your purchase price. FE exam coverage in 54 easy-to-read chapters 13 topic-specific diagnostic exams Green text to identify equations, figures, and tables found in the NCEES Handbook Over 1,200 practice problems with step-by-step solutions SI units throughout Sample study schedule Comprehensive, easy-to-use index Exam tips and advice Topics Covered Include Biology Chemistry Computers, Measurement, and Controls Conversion Factors Dynamics Electric Circuits Engineering Economics Ethics Fluid Mechanics Materials Science/Structure of Matter Mathematics Mechanics of Materials Statics Thermodynamics and Heat Transfer Transport Phenomena Units and Fundamental Constants

Since 1975, more than 2 million people preparing for their engineering, surveying, architecture, LEED®, interior design, and landscape architecture exams have entrusted their exam prep to PPI. For more information, visit us at www.ppi2pass.com.

RAPID METHODS FOR BIOLOGICAL AND CHEMICAL CONTAMINANTS IN FOOD AND FEED

Wageningen Academic Publishers The rapid and reliable detection of biological and chemical contaminants is extremely important in managing the safety of food and feed. "Rapid Methods" is a comprehensive reference resource for anyone interested in this subject. Developments in analytical techniques have led to the emergence of a wide range of rapid methods to complement the traditional methods. At the same time, the importance of method validation, proficiency testing, quality management, sampling and legislation have all become more widely recognised. "Rapid Methods" presents a firm base and structured framework for considering rapid analysis of biological and chemical contaminants in food and feed. The various chapters concentrate on the state of the art in rapid methods in regards to: legislation, sampling, method validation, microbial pathogens, biological materials like GMOs and allergens, toxins like bacterial food poisoning toxins, marine toxins and biogenic amines, chemicals like veterinary drugs, pesticides and dioxins. The editors firmly believe that the very nature of the theme, the excellence of the peer-reviewed papers and the holistic approach chosen in this book will draw an audience from both the food and feed industry as well as from the scientific community.

RAPID METHODS IN CLINICAL MICROBIOLOGY

PRESENT STATUS AND FUTURE TRENDS

Springer Science & Business Media The papers published herein comprise the presentations given at the eighteenth of an annual series of clinical symposia arranged under the auspices of the Eastern Pennsylvania Branch of the American Society for Microbiology. This symposium allowed approximately 200 persons to gather and exchange ideas on the rapid laboratory diagnosis of infectious diseases. The institution of the Diagnosis Related Group (DRG) method for reimbursement by both government agencies and private insurance carriers has provided a financial aspect to the established clinical reasons for rapid laboratory diagnosis. Now the health of the institution, as well as the patient, is dependent on a timely diagnosis and, hopefully, cure. Accordingly, the goal of this symposium was to present the latest developments in "same-day microbiology". In the face of stable or diminishing resources, the laboratory director is presented with many choices. Do nucleic acid probes, non instrumental ELISA techniques, or time-resolved fluorometry have a place in his or her laboratory? Should the laboratory test for newly described human pathogens such as human immunodeficiency virus or human papilloma virus? Can rapid techniques supplant conventional methods? Or are they merely adjunctive? This symposium attempted to assist in the formulation of informed decisions. Bruce Kleger Donald Jungkind Eileen Rinks Linda A. Miller vii ACKNOWLEDGEMENTS We would like to thank the Eastern Pennsylvania Branch of the American Society for Microbiology for sponsoring this symposium and for making this publication possible. We especially thank the Symposium Committee for their diligent work in organizing an informative and successful symposium.

RAPID DETECTION OF INFECTIOUS AGENTS

Springer Science & Business Media Busy clinicians and health practitioners recognize the importance of speedy detection of pathogens to impede the further spread of infection, and to ensure their patients' rapid and complete recovery. This reader-friendly reference is a unique collection of the newest and most effective diagnostic techniques currently in use in clinical and research laboratories. Instructive commentary regarding the application of these often complex methods is provided. This essential text aids readers in selecting the most efficient method, finding the necessary resources, and avoiding the most common pitfalls in implementation.

ADENOVIRAL CONJUNCTIVITIS

THE USE OF RAPID POINT OF CARE TESTING TECHNOLOGY IN THE EYE CARE SETTING

The aim of this study was to determine the usefulness of two rapid testing in the prompt diagnosis of a patient with adenoviral conjunctivitis. Rapid point-of-care testing offers the opportunity of accurately diagnosing and treating a patient in a single visit to your office. The rapid point-of-care testing chosen were the Adeno Plus (R) Test (RSP ADP Adeno Detector Plus; Rapid Pathogen Screening Inc) and the SAS (TM). Adeno Test (SA Scientific, Inc., San Antonio, Texas) both for the qualitative detection of adenoviral conjunctivitis. In order to compare the sensitivity and specificity of each test, the Adeno Plus (R) test was compared with cell culture immunofluorescence CC-IFA, and PCR; and the SAS (TM) Adeno Test was compared with enzyme immune assay Adenoclone (R) and PCR. A suitable test for accurate diagnosis of 55 serotypes of adenovirus is provided by Adeno Plus (R) which seems more sensitive and equally specific as the SAS (TM) Adeno Test in the diagnosis of adenoviral conjunctivitis.

RAPID METHODS FOR FOOD AND FEED QUALITY DETERMINATION

Wageningen Academic Publishers There is an ever-increasing need for rapid methods and instrumentation in the field of food and feed

quality. Key issues dealt with in the food and feed industry include: monitoring of processes at all stages; showing due diligence in the control of food and nutritional quality; achieving rapid results for detecting (micro)biological, chemical and physical deterioration of food and feed; and finally, detecting rapidly and reliably food authenticity and/or adulteration. Developments in analytical techniques have led to the emergence of a wide range of rapid methods to complement the traditional methods. Faster results, higher productivity, lower costs and increased sensitivity are key concepts for all those involved in writing this book. Key topics include: emerging rapid technologies; rapid monitoring of food and nutritional quality; rapid testing of quality deterioration and spoilage; rapid testing of authenticity and adulteration; quality tracking & tracing and rapid testing. The methods and techniques presented here, in their varying degree of complexity, will be a valuable resource for researchers and professionals from the food and feed industry as well as from the scientific community. This book is an ideal supplement to "Rapid Methods for biological and chemical contaminants in food and feed" as published in 2005.

RAPID DETECTION AND IDENTIFICATION OF INFECTIOUS AGENTS

Elsevier Rapid Detection and Identification of Infectious Agents is a collection of papers presented at the International Symposium on Rapid Detection and Identification of Infectious Agents held on October 5-7, 1983, in Oakland, California, and organized by the Naval Biosciences Laboratory of the School of Public Health of the University of California at Berkeley. Contributors examine progress in the field of rapid diagnosis of infectious diseases, with a particular emphasis on DNA probe-based assays and monoclonal and polyclonal antibody-based immunoassays. This volume is organized into five sections encompassing 20 chapters. It begins with an overview of state-of-the-art methods for rapid detection and identification of infectious agents, including technology that is currently applied in clinical microbiology, as well as concerns regarding the political and scientific climates, which have an impact on health care and clinical microbiology. Chapters are organized to deal with a single diagnostic type of test for a given broad group of organisms. The approach is to compare the strengths and weaknesses of each of the new diagnostic procedures, using the same type of clinical material whenever possible. The book gives consideration to the fundamental design of DNA probes and probe assay systems, the clinical comparison of immunologic assays for the diagnosis of meningococcal disease, and immunodiagnosics for viral and parasitic pathogens. This book will be of value to scientists and researchers interested in immunology and infectious diseases, as well as the methods used to detect and identify them.

RAPID SOIL TESTING PROCEDURES AT VIRGINIA POLYTECHNIC INSTITUTE

ACCELERATED PAVEMENT TESTING TO TRANSPORT INFRASTRUCTURE INNOVATION

PROCEEDINGS OF 6TH APT CONFERENCE

Springer Nature This volume gathers the latest advances, innovations, and applications in the field of accelerated pavement testing (APT), presented at the 6th International Conference on Accelerated Pavement Testing, in Nantes, France, in April 2022. Discussing APT, which involves rapid testing of full-scale pavement constructions for structural deterioration, the book covers topics such as APT facilities, APT of asphalt concrete and sustainable/innovative materials, APT for airfield pavements, testing of maintenance and rehabilitation solutions, testing of smart and multi-functional pavements, data analysis and modeling, monitoring and non-destructive testing, and efficient means of calibrating/developing pavement design methods. Featuring peer-reviewed contributions by leading international researchers and engineers, the book is a timely and highly relevant resource for materials scientists and engineers interested in determining the performance of pavement structures during their service life (10+ years) in a few weeks or months.

RAPID ANTIBODY-BASED TECHNOLOGIES IN FOOD ANALYSIS

Royal Society of Chemistry There are significant challenges in food analysis, problems with food contamination and authentication, and a worldwide need to ensure food safety. This book provides a description of antibody-based technologies used in food analysis. It focuses on key applications, outlining the approaches used, their advantages and limitations, and describes future areas for development. Chapters are written by experts in the field, critically examining each of the currently used methodologies and highlighting new evolving technologies, such as lab-on-chip and microfluidics-based devices and biosensors. Case studies demonstrating the utility of each of the methods described are included. Important introductory chapters cover sample preparation for analysis and statistical sampling necessary for quality control for verification of results. An overview chapter highlighting major analytical issues and areas that have specific requirements, e.g. food authentication, is provided. Researchers and scientists in the field who have to acquire, verify and use technologies for food analysis, food producers and processors, food safety and testing laboratories, and government agencies will all find this a useful addition to their library.

RAPID INTERPRETATION OF BALANCE FUNCTION TESTS

Plural Publishing

RAPID REVIEW LABORATORY TESTING IN CLINICAL MEDICINE

Mosby Incorporated Get the most from your study time...with this high-yield print and electronic study package! This volume in the "Rapid Review" series - a series that is highly rated in the First Aid rankings - makes it easy for you to master laboratory testing in clinical medicine. An outline format and abundant charts, tables, and diagrams enable you to quickly access important information, and 212 review questions - presented in USMLE format - provide crucial self assessment for maximum exam and ward preparation. It's the perfect resource for medical students, residents, or practitioners who are preparing for the USMLEs, certification, or recertification. Emphasizes clinically relevant content including disease diagnosis, test selection, and test-altering variables. Provides an at-a-glance, outline-format review of all of the information you need to know. Makes studying easier with a user-friendly 2-color layout, Hi-Yield Margin Notes, and Key Points. Offers 212 USMLE-style review questions inside the book at the end of each chapter, with a full rationale

for why every possible answer is right or wrong. Each of the 212 questions is available online at www.studentconsult.com - using the Rapid Review Testing Tool, providing detailed feedback on which areas you may need to study more.