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| 1. Record Nr. | UNINA9910454333203321 |
| Titolo | Plasma source mass spectrometry [[electronic resource] /] / edited by Grenville Holland, Scott D. Tanner |
| Pubbl/distr/stampa | Cambridge, : RSC, 2003 |
| ISBN | 1-84755-168-8 |
| Descrizione fisica | 1 online resource (424 p.) |
| Collana | Special Publication |
| Altri autori (Persone) | HollandGrenville TannerScott D |
| Disciplina | 543.0873 543.65 |
| Soggetti | Plasma spectroscopy Mass spectrometry Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | The proceedings of the 8th International Conference on Plasma Source Mass Spectrometry held at the University of Durham on 8-13 September 2002. |
| Nota di bibliografia | Includes bibliographical references and indexes. |
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Sommario/riassunto

This book provides a snapshot of the current state-of-the-art of the understanding of the fundamentals of ICPMS, instrumental development, methods development, spectral interpretation and applications. It covers a diverse range of topics including: bioanalytical applications (immunoassay, state of phosphorylation, metallo-drugs); environmental applications (drinking water, groundwater, seawater, speciation); reaction cells and collision cells (theory and applications); archaeology; laser ablation; isotope ratio analysis; and the performance, characterization and applications of multicollector

2. Record Nr.

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Titolo

Rapid detection, characterization, and enumeration of foodborne pathogens [[electronic resource] /] / edited by J. Hoorfar

Pubbl/distr/stampa

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Descrizione fisica

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Altri autori (Persone)

HoorfarJ (Jeffrey)

Disciplina

664.001/579

Soggetti

Food - Microbiology
Food poisoning
Food contamination
Microbiologia dels aliments
Intoxicació alimentària
Contaminació dels aliments
Llibres electrònics

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Note generali

Description based upon print version of record.

Nota di bibliografia

Nota di contenuto

Includes bibliographical references and index.

""Cover""; ""Contents""; ""Contributors""; ""Preface""; ""Acknowledgments""; ""1. The Public Health, Industrial, and Global Significance of Rapid Microbiological Food Testing""; ""I. ACCELERATED GENERIC TECHNIQUES""; ""2. Strengths and Shortcomings of Advanced Detection Technologies""; ""3. Chromogenic and Accelerated Cultural Methods""; ""4. Automated and Large-Scale Characterization of Microbial Communities in Food Production""; ""5. Fast and High-Throughput Molecular Typing Methods""; ""II. CRITICAL CONSIDERATIONS BEFORE SETTING UP RAPID METHODS"" ""6. Sampling, Transport, and Sample Preparation in Emergency Situations and Rapid Response"" ""7. Statistics of Sampling for Microbiological Testing of Foodborne Pathogens""; ""8. Preanalytical Sample Preparation and Analyte Extraction""; ""9. Criteria for Choosing the Right Rapid Method""; ""10. Your Results Are Your Controls: Inclusion of Critical Test Controls""; ""11. International Validation, Ring Trial, and Standardization of Rapid Methods""; ""12. Statistical Data Analysis of Results Based on Alternative Detection and Enumeration Methods""; ""III. MEAT PRODUCTION CHAIN"" ""13. Salmonella in Pork, Beef, Poultry, and Egg"" ""14. Yersinia enterocolitica in Pork""; ""15. Campylobacter in Poultry, Pork, and Beef""; ""16. Shiga Toxin-Producing Escherichia coli in Food""; ""17. Rapid Screening of Animal Feeds for Mycotoxins and Salmonella Contaminations""; ""IV. DAIRY PRODUCTION CHAIN""; ""18. Listeria monocytogenes in Milk, Cheese, and the Dairy Environment""; ""19. Bacillus cereus in Milk and Dairy Production""; ""20. Staphylococcus aureus in the Dairy Chain""; ""21. Cronobacter Species in Powdered Infant Formula""; ""V. FRESH PRODUCE, SEAFOOD, AND WATER"" ""22. Pathogen Testing in Fresh Produce and Irrigation Water"" ""23. Norovirus, Hepatitis A Virus, and Indicator Microorganisms in Shellfish, Soft Fruits, and Water""; ""24. Protozoan Parasites: Cryptosporidium, Giardia, Cyclospora, and Toxoplasma""; ""VI. FOOD SERVICE AND CATERING""; ""25. Practical Sampling Plans, Indicator Microorganisms, and Interpretation of Test Results from Trouble-Shooting""; ""26. Clostridium perfringens in Food Service""; ""27. Hepatitis A Virus in Ready-To-Eat Foods""; ""VII. CONCLUSIONS"" ""28. Future Trends in Rapid Methods: Where Is the Field Moving, and What Should We Focus On?"" ""Index""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F""; ""G""; ""H""; ""I""; ""K""; ""L""; ""M""; ""N""; ""O""; ""P""; ""Q""; ""R""; ""S""; ""T""; ""U""; ""V""; ""W""; ""X""; ""Y""; ""Z""