

1. Record Nr.	UNINA9910574100203321
Titolo	Rapid detection, characterization, and enumeration of foodborne pathogens [[electronic resource] /] / edited by J. Hoorfar
Pubbl/distr/stampa	Washington, D.C., : ASM Press, c2011
ISBN	1-68367-115-5 1-61344-269-6 1-55581-712-2
Descrizione fisica	1 online resource (467 p.)
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	Includes bibliographical references and index.
Nota di contenuto	""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""
