



Molecular Detection Of Foodborne Pathogens

Author : Dongyou Liu / **Category :** Technology & Engineering /
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Summary : Free molecular detection of foodborne pathogens pdf download - while the vast majority of our food supplies are nutritious and safe foodborne pathogen-related illness still affects millions of people each year large outbreaks of foodborne diseases such as the recent salmonella outbreak linked to various peanut butter products continue to be reported with alarming frequency all-encompassing guide to detection techniques one of the most effective ways to control and prevent human foodborne infections is to implement a pathogen surveillance system addressing the biology epidemiology and pathogenesis of more than 60 microorganisms molecular detection of foodborne pathogens demonstrates how to implement a surveillance system that uses state-of-the-art molecular techniques to quickly detect and identify bacterial fungal viral and parasitic pathogens concerned included in each chapter concise review of the selected pathogen in respect to its biology epidemiology and pathogenesis summary of molecular detection methods available description of clinical food sample collection and preparation procedures selection of robust effective step-by-step detection protocols discussion of the current challenges and ongoing research needs to further extend utility and performance of molecular diagnostic methods with proven ready-to-use protocols including commercial kits this globally pertinent resource demonstrates how speedy and effective detection methods can lead to more lives saved and a consistently safe quality and trustworthy food supply

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