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Sommario/riassunto	Rapid multiplex detection of pathogens in the environment and in our food is a key factor for the prevention and effective treatment of infectious diseases. Biosensing technologies combining the high selectivity of biomolecular recognition and the sensitivity of modern signal detection platforms are a prospective option for automated analyses. They allow rapid detection of single molecules as well as cellular substances. This book, including 12 chapters from 50 authors, introduces the principles of identification of specific pathogen biomarkers along with different biosensor-based technologies applied for pathogen detection.