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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 a 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

aims to help students develop critical and creative reasoning skills in investigating science this manual provides step by step procedures and hands on activities to help students learn the concepts of biology it covers the entire field of general biology

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