Mini review

Electrochemical Biosensors for the Detection of Cancer Biomarkers with Different Signal Amplification Strategies

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Early diagnosis of cancer is the key to successful treatment. Biomarkers for cancer diagnosis can significantly improve the level of early diagnosis and follow-up treatment. Biosensors play an important role in the detection of biomarkers because they are easy to use, portable and can be used for real-time analysis. In this paper, we introduced the types of electrochemical biosensors and reviewed the signal amplification strategies for electrochemical detection of cancer biomarkers.

Keywords: Electrochemical biosensors; cancer biomarkers; signal amplification; nucleic acid; enzyme; nanomaterials

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