Mini review

Recent Progress in Electrochemical Biosensors for Detection of Prostate-Specific Antigen

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Prostate-specific antigen (PSA) is a biomarker for preoperative diagnosis and screening of prostate cancer and monitoring of its post-treatment. Because of their sensitivity, simple in operation, rapid response, and compatibility with miniaturization, electrochemical biosensors have attracted considerable attention for PSA detection. In this work, we focused on the recent progress in the electrochemical methods for PSA detection, including immunosensors, aptasensors and peptide-based biosensors.

Keywords: Prostate cancer; electrochemical biosensors; prostate-specific antigen

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