Mini review

Recent Progress in Electrochemical Detection of Tumor-Derived Exosomes

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Tumor-derived exosomes are tiny vesicles released from tumor cells to the extracellular environment. The sensitive and selective detection of tumor-derived exosomes is helpful for early diagnosis, clinical monitoring, curative effect evaluation and prognosis judgment of some tumors. In this paper, the detection of tumor-derived exosomes by electrochemical techniques are discussed, mainly including the direct, sandwich-like and magnetoelectric detection.

Keywords: exosomes; electrochemical biosensors; tumor cells; early diagnosis

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