

Abstract

**ELECTROCHEMICAL DETECTION METHOD BASED ON SCREEN-PRINTED
ELECTRODES**

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The invention relates to an electrochemical detection method based on screen-printed electrodes, which specifically includes the following steps:

Preparation of S1 protein-binding group: The working electrode on the screen-printed electrode substrate is processed, and the protein-binding group is adhered; S2 basic protein reaction: Add
10 basic protein, and the active group on the basic protein reacts with the described The protein-binding group in step S1 reacts; S3 blocking the basic protein: uses a blocking solution to block the basic protein after the reaction in step S2 to obtain a screen-printed electrode to be detected; S4 electrochemical detection: add a detection reagent containing the target protein, the basic
15 protein reacts specifically with the target protein, and the data collected by the working electrode after the reaction are electrochemically analyzed to obtain the detection result. The data is collected for electrochemical analysis, and the results of different detection projects can be obtained based on different basic proteins and target proteins, with high sensitivity.

(Figure 1)

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