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(54) Title: STABILIZING THE ACTIVITY OF PQQ-DEPENDENT GLUCOSE DEHYDROGENASE IN ELECTROCHEMICAL BIOSENSORS

(57) Abstract: A reagent composition containing GDH-PQQ as an enzyme-co-factor and screen-printed on working and counter electrodes of electrochemical biosensors, maintains activity of the enzyme reagents by proper selection of components. A preferred composition includes hydrophilic polymers, amorphous untreated silica, buffers, surfactants, and a mediator. For example, the biosensor is useful in the amperometric determination of glucose.



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