

Kinetic aspects of the electrons transfer in the system "glucose - *Gluconobacter Oxydans* - 2,6-dichlorophenolindophenol - graphite electrode"

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Abstract

It is established that the recovery of the mediator 2,6-dichlorophenolindophenol by cells of bacteria *Gluconobacter Oxydans* and subsequent oxidation of the electrode have the first order by the mediator. At the oxidation of the mediator on the electrode the phases of diffusion, adsorption and discharge of the reduced mediator are the competing phases.