

2. BIOSENSOR SYMPOSIUM

TÜBINGEN 2001

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The Investigation of Electrochemical Behaviour of NADH with TBO at a Glassy Carbon Electrode

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Registriernummer der Online-Anmeldung: 166

Poster

Electrochemical oxidation studies of NADH with different mediators have been made recently¹⁻³. It was shown that the reduction of NAD^+ is more difficult than the oxidation of NADH. On the other hand, regeneration of some mediator systems which are immobilised on the same electrode surface takes a long time². Therefore, the study of electrochemical behaviour of different mediator and NADH at a bare glassy carbon electrode will become a base for other relevant studies.

In this study, electrochemical behaviour of TBO with NADH is investigated by differential puls and cyclic voltammetry and the influence of the temperature, different buffer systems, pH range and electrolyte type was optimised.

References

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