Screen-Printed Meldola's Blue/Carbon Electrode

Ref. 610

Disposable **Screen-Printed Meldola's Blue/Carbon Electrodes (ref. 610)** are ideal for the determination of **Nicotinamide Adenine Dinucletide (NADH)** at a low detection potential. These electrodes are recommended for the **development of enzymatic biosensors based on dehydrogenases**, for working with microvolumes and for decentralized assays.

Ceramic substrate: L33 x W10 x H0.5 mm

Electric contacts: Silver

The electrochemical cell consists on:

Working electrode: Meldola´s Blue/Carbon (4 mm diameter)

Auxiliary electrode: Carbon

Reference electrode: Silver

Screen-printed Meldola's Blue/Carbon Electrodes are commercialised in 75 units packs. They should be stored at room temperature, protected from light in a dry place.

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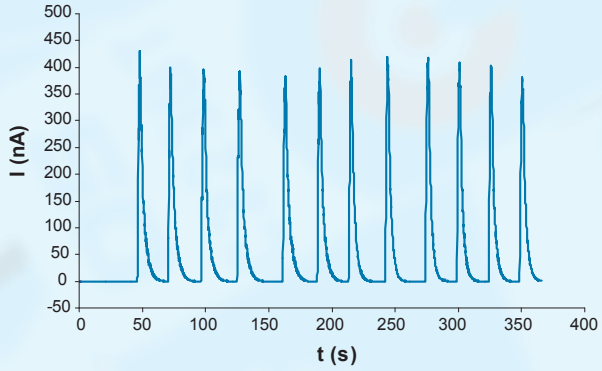
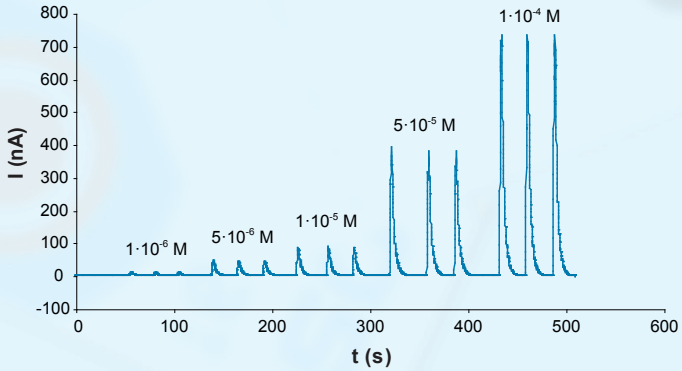


Amperometric detection of NADH in a flow injection analysis system with our easy to use Flow-cell (ref. FLWCL). The amperometric responses for $5 \cdot 10^{-5}$ M NADH at a ref. 610 electrode do not show any fouling effect. RSD% = 4, n = 12.
E_{det} +0.1 V; Flow rate 2 ml/min; Flow carrier 0.1 M phosphate buffer, pH 6.0 and 0.1 M KCl.



Analysis of NADH between $1 \cdot 10^{-6}$ M and $1 \cdot 10^{-4}$ M is presented in the figure.
E_{det} +0.1 V; Flow rate 2 ml/min; Flow carrier 0.1 M phosphate buffer, pH 6.0 and 0.1 M KCl.

Also, specific connectors that act as an interface between the screen-printed electrode and any potentiostat (refs. DSC, CAC) and other accessories are available at ***DropSens***.

Related products

DSC

CAC

FLWCL

CELL

STAT400

STAT8000

Full Catalogue

Contact Form

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