Screen-Printed Electrodes for Glucose Detection

Ref. GLU10

Disposable Screen-Printed Electrodes modified with the enzyme Glucose Oxidase (ref. GLU10) intended for the **determination of Glucose in liquid samples**. These glucose sensors are recommended for working with microvolumes (50 µl) and for decentralized and *'in situ'* assays.

Ceramic substrate: L33 x W10 x H0.5 mm

Electric contacts: Silver

The electrochemical cell consists on:

Working electrode: Ferrocyanide/Carbon/Glucose Oxidase (4 mm diameter)

Auxiliary electrode: Carbon

Reference electrode: Silver

Screen-printed Ferrocyanide/Carbon/Glucos Oxidase Electrodes are commercialised in 50 units packs, with a calibration curve provided per batch.

They should be stored in darkness and at 2-8ºC. Before carrying out a measurement, leave electrodes at room temperature for 20-30 min.

Parque Tecnológico de Asturias - Edif. CEEI. 33428 LLanera (Asturias). Spain
(+34) 985 27 76 85 - info@dropsens.com - www.dropsens.com

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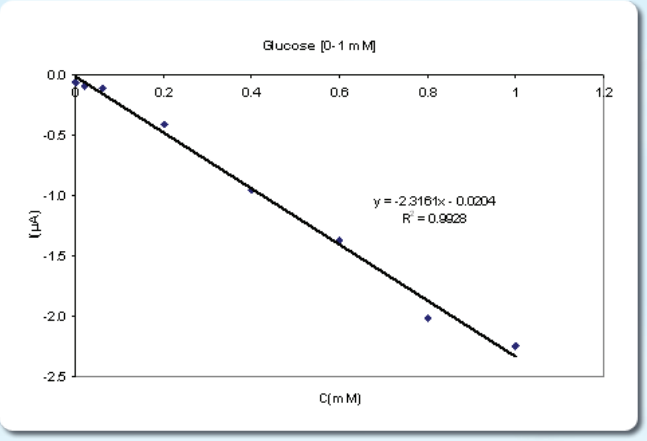

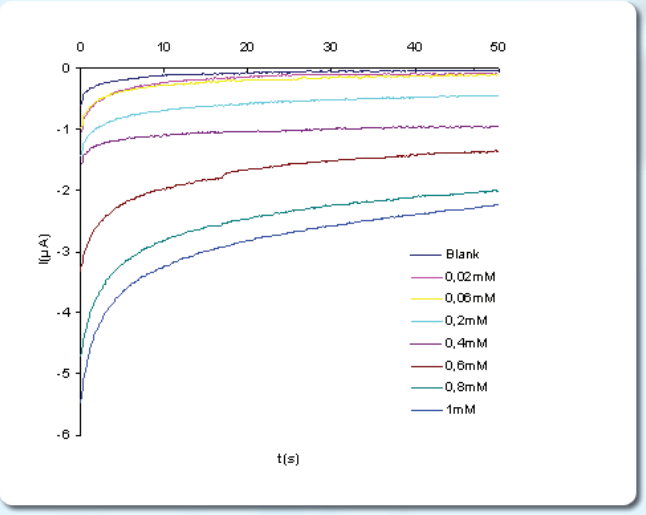

These Ferrocyanide/Carbon /Glucose Oxidase Electrodes (ref. GLU10) are used in batch, for chronoamperometric detection of Glucose using a drop of 40 µL of sample.

In this assay different electrodes are used for each measurement. Analysis of Glucose between 0.02 m M and 1m M is presented in the figure. Edet -0.1 V (50 s); Electrolyte solution 0.1M Tris-HNO3 buffer of pH 7.

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


PL5


CAC


FLWCL


CELL


STAT400


STAT8000

Full Catalogue

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