Screen-Printed Platinum Electrodes

Ref. 550

Disposable **platinum electrodes (ref. 550)**. Ideal for working with microvolumes, for decentralized assays or to develop specific (bio)sensors.

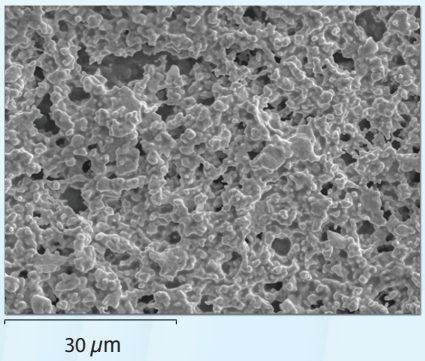
Useful for undergraduate lab to avoid tedious polishing of solid electrodes.

Ceramic substrate: L33 x W10 x H0.5 mm
Electric contacts: Silver

The electrochemical cell consists on:

Working electrode: Platinum (4 mm diameter)
Counter electrode: Platinum
Reference electrode: Silver

Screen-Printed Platinum Electrodes are commercialised in 75 units packs. They should be stored in the dark at room temperature in a dry place.



Scanning Electron Microscopy image of the platinum working electrode surface (ref. 550).

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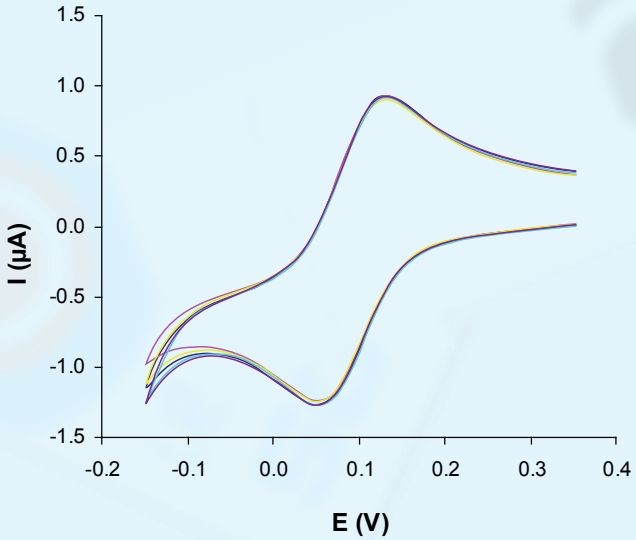
Electrochemical behaviour and electroanalytical performance of SPPEs (ref. 550) for the $K_3[Fe(CN)_6]$ redox system

DropSens Screen-Printed Platinum Electrodes (SPPEs) exhibit a high electrochemical activity and good repeatability. An example is observed for the $K_3[Fe(CN)_6]$ electrochemical process obtained with 5 different SPPEs; RSD = 2.6%.



Cyclic voltammograms of $1 \cdot 10^{-4}$ M $K_3[Fe(CN)_6]$ in 0.1 M KCl electrolyte solution at a scan rate of 50 mV/s. n = 5

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

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