

Mesoporous Carbon
modified Screen-Printed
Carbon electrode
Ref. 110MC



Mesoporous Carbon
modified Dual
Screen-Printed
Carbon electrode
Ref. X1110MC



These disposable **Screen-Printed Carbon Electrodes** (SPCEs) modified with **Mesoporous Carbon** are designed for the development of (bio)sensors with an enhanced electrochemical active area and enhanced electronic transfer properties.

Ceramic substrate: L33 x W10 x H0.5 mm

Electric contacts: Silver

The electrochemical cell consists on:

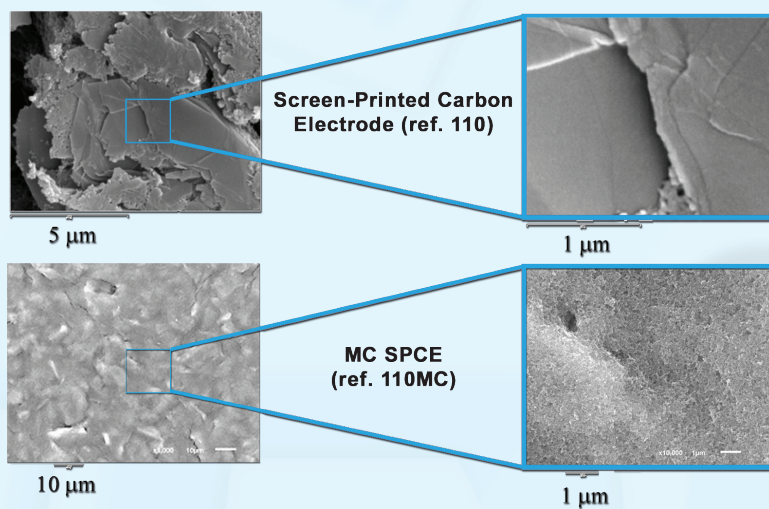
Working electrode(s): Mesoporous Carbon / Carbon

Auxiliary electrode: Carbon

Reference electrode: Silver

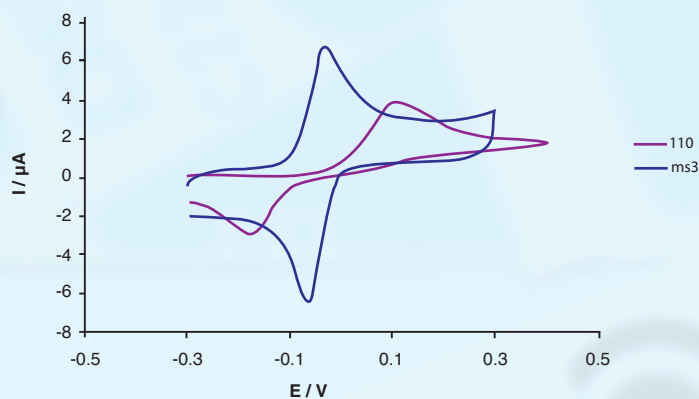
MC SPCEs are commercialised in 50 units packs. Store at room temperature, protected from light in a dry place.

SEM comparative images of working electrodes

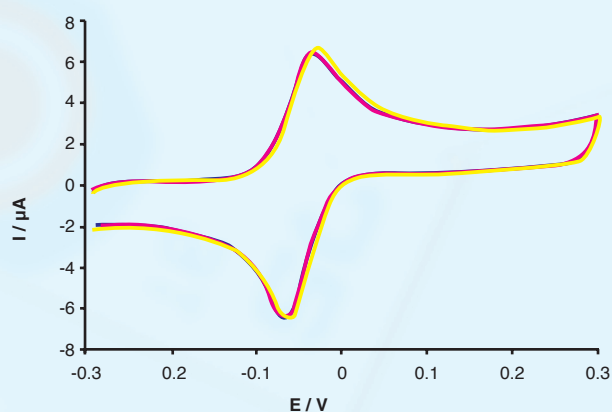


Electrochemical behaviour of MC SPCEs for some benchmark redox systems

MC SPCEs (blue CVs, ref. 110MC) show better electron-transfer properties than conventional SPCEs (pink CVs, ref. 110).



Cyclic voltammogram of $1 \cdot 10^{-4}$ M hydroquinone in
0.1 M acetate buffer solution pH 5.0 at 50 mV/s



Cyclic voltammograms of $1 \cdot 10^{-4}$ M Hydroquinone in 0.5 M
AcO-/AcOH at 50 mV/s.
 $n = 3$ (different MC SPCEs, ref. DRP-110MC). **RSD% = 5%**

Also, specific **connectors** that act as an interface between the screen-printed electrode and any potentiostat (ref. **DSC**, **CAC**) and other accessories are available at [DropSens](http://www.dropsens.com).

Related products



DSC



CAC



FLWCL



CELL



STAT400



STAT8000

Full Catalogue



Contact Form

