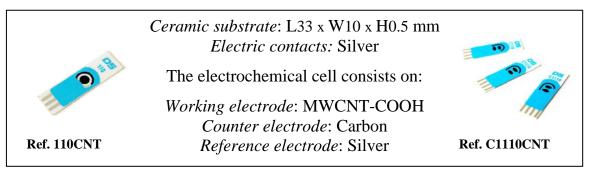


MWCNT-COOH Screen-Printed Carbon Electrodes

(refs. 110CNT and C1110CNT)

DropSens launches Screen-Printed Carbon Electrodes (SPCEs) modified with Carboxyl functionalised Multi-Walled Carbon Nanotubes (MWCNT-COOH)

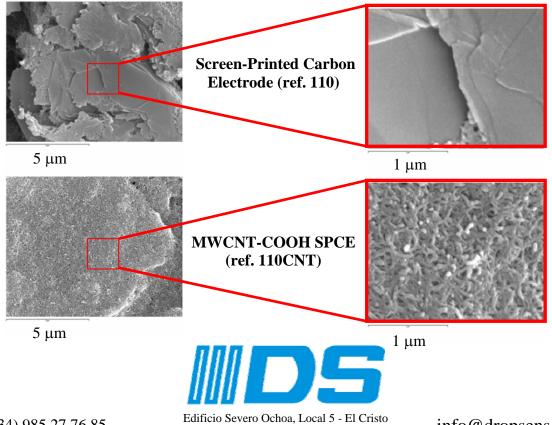
MWCNT-COOH SPCEs are designed for the development of (bio)sensors with an enhanced electrochemical active area



MWCNT-COOH SPCEs are commercialised in <u>50 units packs</u>.

Store at room temperature in a dry place

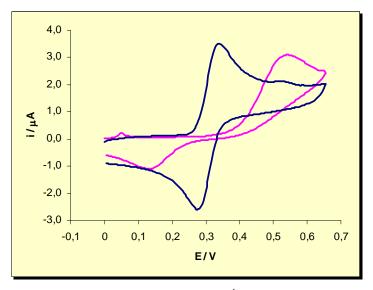
SEM comparative images of working electrodes



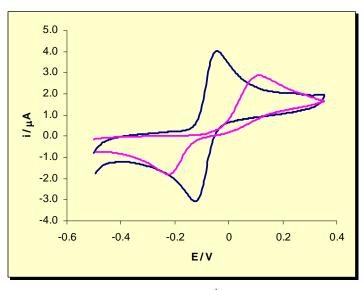
33006 Oviedo (Asturias). Spain

Electrochemical behaviour of MWCNT-COOH SPCEs for some benchmark redox systems

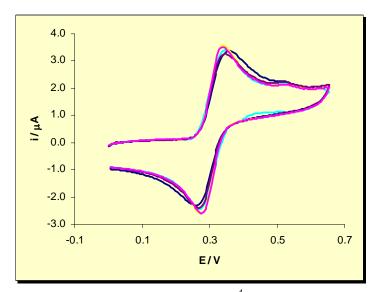
MWCNT-COOH SPCEs (**blue CVs**, ref. 110CNT) show better electron-transfer properties than conventional SPCEs (**pink CVs**, ref. 110)



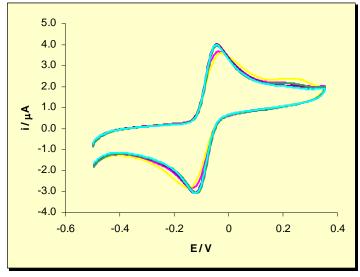
Cyclic voltammogram of $1 \cdot 10^{-4}$ M dopamine in 0.01 M HCl electrolyte solution at 50 mV/s



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 dopamine in 0.01 M HCl electrolyte solution at 50 mV/s. n = 5 (different MWCNT-COOH SPCEs) RSD% = 6%



Cyclic voltammograms of $1 \cdot 10^{-4}$ M hydroquinone in 0.1 M acetate buffer solution pH 5.0 at 50 mV/s. n = 5 (different MWCNT-COOH SPCEs) RSD% = 7%

