

SWCNT-COOH Screen-Printed Carbon Electrodes

(ref. 110SWCNT and C1110SWCNT)

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

SWCNT-COOH SPCEs are designed for the development of (bio)sensors with an enhanced electrochemical active area and enhanced electronic transfer properties



Ref. 110SWCNT

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

The electrochemical cell consists on:

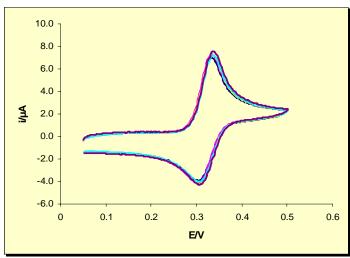
Working electrode: SWCNT-COOH
Counter electrode: Carbon
Reference electrode: Silver

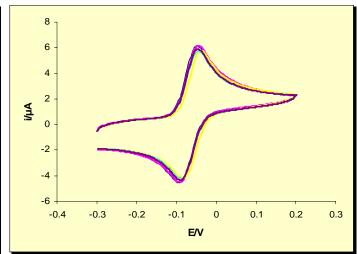


Ref. C1110SWCNT

SWCNT-COOH SPCEs are commercialised in 50 units packs. Store at room temperature in a dry place.

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





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

n = 5 (different **110SWCNT** electrodes)

RSD% = 4%

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 **110SWCNT** electrodes)

RSD% = 5%

