These disposable Screen-Printed Carbon Electrodes (SPCEs) modified with Carboxyl functionalised Single-Walled Carbon Nanotubes (SWCNT-COOH) 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): SWCNT-COOH / Carbon
Auxiliary electrode: Carbon
Reference electrode: Silver

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

Cyclic voltammograms of 1·10^{-4} M dopamine in 0.01 M HCl electrolyte solution at 50 mV/s. n = 5 (different 110SWCNT electrodes) RSD% = 4%

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.