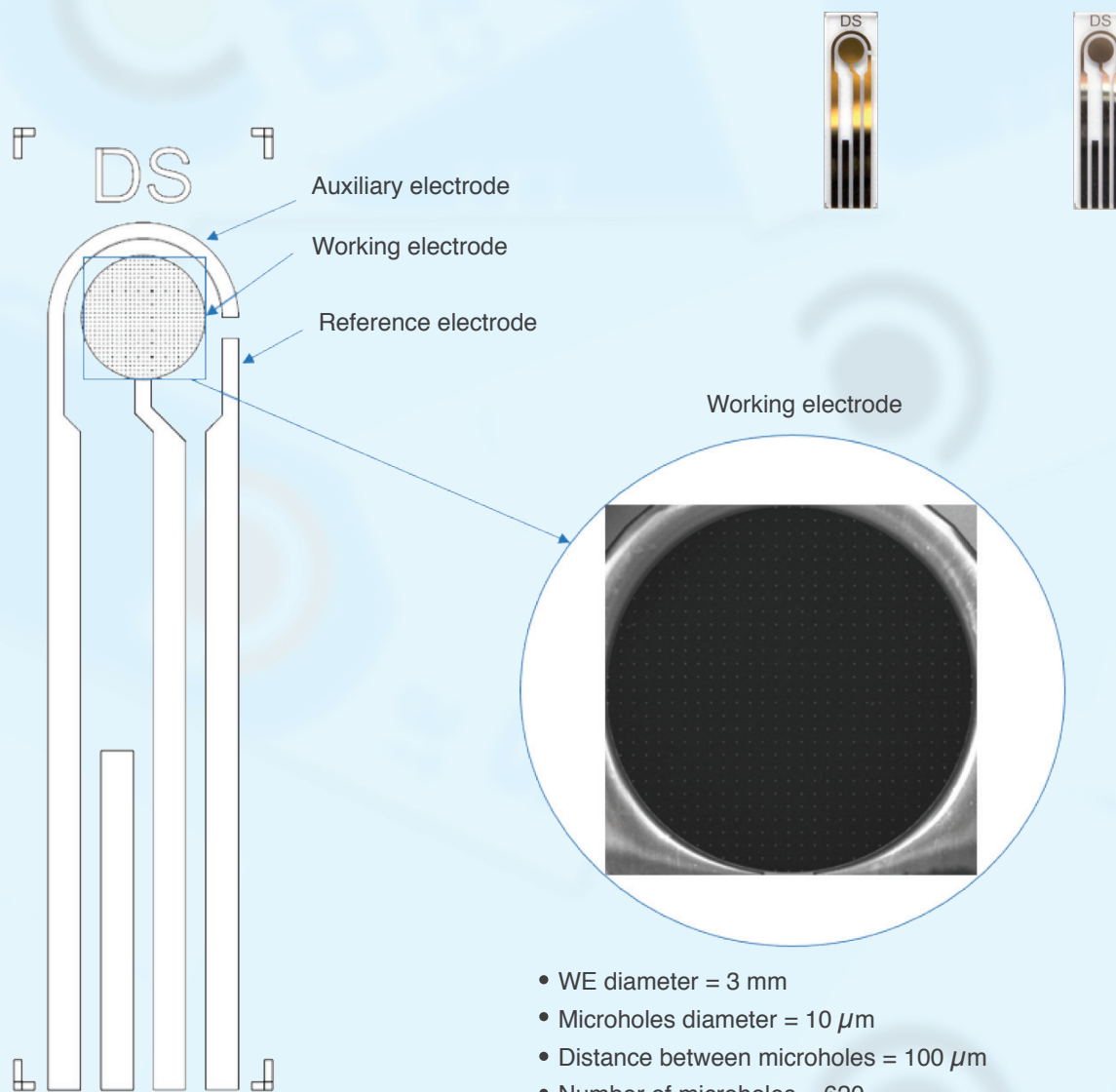


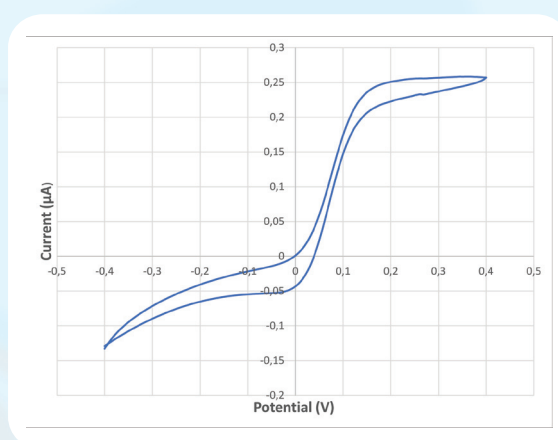
DropSens Gold (ref. G-MEA222) and **Platinum** (ref. G-MEA555) **MicroElectrodes Array** are composed of an auxiliary electrode, a reference electrode and a working electrode all fabricated in the same material, on a glass substrate, by using optical lithography technology.



The working electrode is a metallic surface made of gold or platinum, covered by a SU-8 resin that has been microperforated. In a **3 mm diameter** surface **microholes arrays of 10 μm** with a **distance between microholes of 100 μm** have been defined.

Arrays of microelectrodes yield in higher currents without altering the desirable characteristics of microelectrodes. Steady-state currents are observed allowing the study of electrochemical reactions in short time; its behaviour is due to a nonlinear diffusion as the predominant mode of mass transport.

DropSens microarray electrodes exhibit enhanced diffusion, to achieve steady-state currents with redox systems, sensitivity and enhanced detection limits.



*Cleaning process: Cyclic voltammetry between -1.5 V and $+1.5$ V at 100 mV/s. ($nscans = 10$).
Measurement: Cyclic voltammetry between -0.4 V and $+0.4$ V at 10 mV/s. Ferrocene methanol 0.5 mM in H_2SO_4 0.1 M using G-MEA222 microelectrode array of gold electrodes.*

Note: This electrode is a very sensitive product. Do not touch the pattern area of the electrode directly as it could be scratch and provide non expected results.

If you need to clean the electrode, rinse carefully with ethanol and/or acetone, do not use ultrasonic cleaner, strong acid or basic solutions or any other organic solvent.

Store the product at room temperature in a dry place.

MicroElectrodes Array are commercialised in 20 units packs.

Also, specific cable connector that acts as an interface between MicroElectrodes Array and any potentiostat (ref. CACIDEMEA) is available at **DropSens**.

Related products



G-IDEAU5



G-IDEPT10



G-IDE222



G-IDE555



STAT400



CACIDEMEA

Full Catalogue



Contact Form

