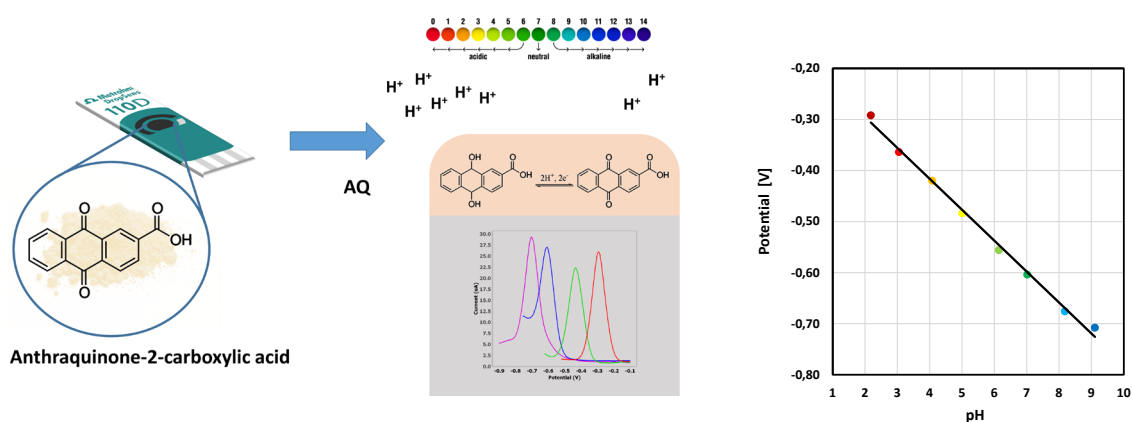


Screen-Printed Carbon Electrodes modified with Anthraquinone (AQ)

Ref. 110AQ

These disposable Screen-Printed Carbon Electrodes (SPCEs) are modified with anthraquinone-2-carboxylic acid as sensing material. These 110AQ SPCEs are designed for detecting protons making possible pH monitoring since the voltammetric oxidation peak potential can be easily correlated with the pH of the solution.

Differential pulse voltammetry between -0.9 and -0.1 V at 0.5 V s⁻¹ is recommended as the detection technique with a potential step of 0.004 V, a pulse potential of 0.1 V and a pulse time of 50 ms.



The electrochemical cell consist on:

Working electrode: anthraquinone-2-carboxylic acid (4 mm diameter)/carbon

Auxiliary electrode: carbon

Reference electrode: silver

Electric contacts: silver

Ceramic substrate: L34 x W10 x H0.5 mm

110AQ Screen-Printed Electrodes are commercialized in 50 units per pack. The sensors should be stored at room temperature in a dry place.

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