

- Anodic oxidations
- Cathodic reduction
- Electrofluorination
- Electrocatalysis
- Umpolung and trapping reactions

- Portable Instrument
- Bluetooth® connection:
Useful in a glove box and for remote control
- Easy-to-use interface
- Convenient price

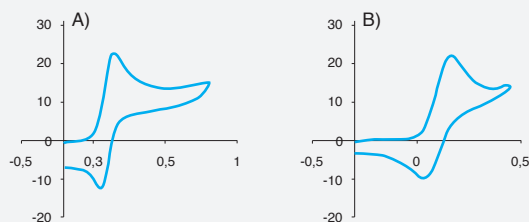
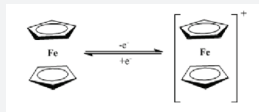
Electrochemistry is an attractive alternative in organic and inorganic synthetic chemistry as well as compounds characterization. Electrochemical techniques allow you to add or remove electrons in a controlled manner, thus formation of new bonds or the breakage of existing bonds can be easily achieved. Electrochemical methods provide also an efficient and straight forward assessment of the redox behavior of molecular systems.

Electrochemical oxidation and reduction of molecules **avoids hazardous or expensive reactives, prevent half-reactions, achieves high chemoselectivity, involves mild reaction conditions,** and provides **low wastes** and sustainable methodologies.

μSTAT400 bipotentiostat/galvanostat is a portable and compact instrument with a user-friendly interface to get the most of electrochemistry in a fast and easy way. The software interface keeps simplicity with powerful features for running your experiments. The Bluetooth® connection allows you to keep your sample under controlled atmosphere conditions (f.i. inside a glove-box).

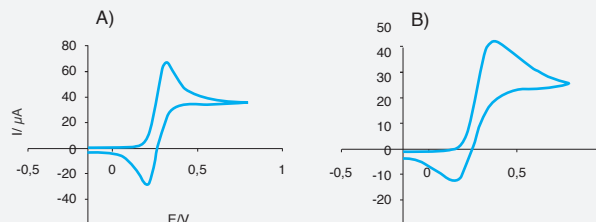
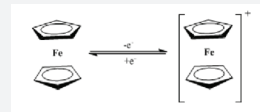


FERROCENE IN ISOPROPANOL



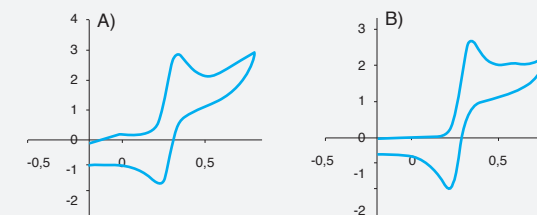
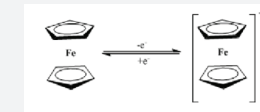
Ferrocene 2 mM in *i*PrOH and LiClO₄ 0.1M. A) Ref. C220AT, Screen-printed gold electrode / Ink AT (Aux.: Au; Ref.: Ag). B) Ref. C550, Screen-printed platinum electrode (Aux.: Pt; Ref.: Ag).

FERROCENE IN ACETONITRILE



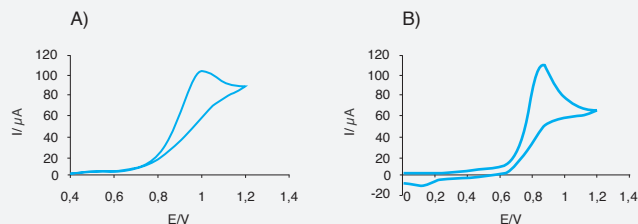
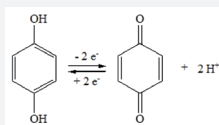
Ferrocene 2 mM in CH₃CN and LiClO₄ 0.1M. A) Ref. C220AT, Screen-printed gold electrode / Ink AT (Aux.: Au; Ref.: Ag). B) Ref. C550, Screen-printed platinum electrode (Aux.: Pt; Ref.: Ag).

FERROCENE IN DIMETHYLSULFOXIDE (DMSO)



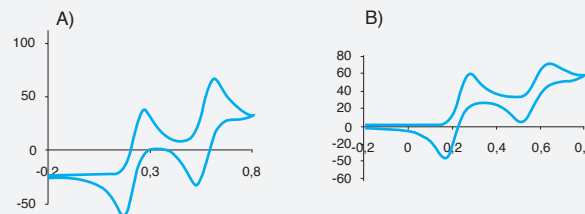
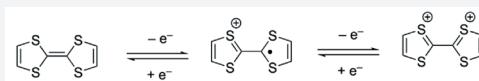
Ferrocene 0,2 mM in DMSO and Bu₄NPF₆ 0.1M. A) Ref. C220AT, Screen-printed gold electrode / Ink AT (Aux.: Au; Ref.: Ag). B) Ref. C550, Screen-printed platinum electrode (Aux.: Pt; Ref.: Ag).

HYDROQUINONE



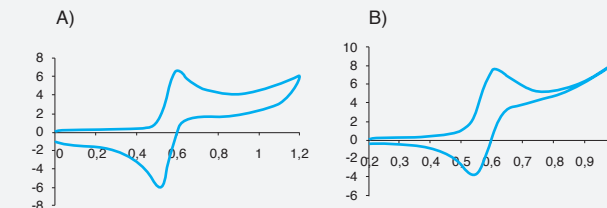
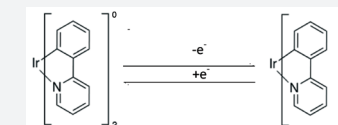
Hydroquinone 2 mM in CH₃CN and Bu₄NPF₆ 0.1M. A) Ref. C220AT, Screen-printed gold electrode / Ink AT (Aux.: Au; Ref.: Ag). B) Ref. C550, Screen-printed platinum electrode (Aux.: Pt; Ref.: Ag).

TETRATHIAFULVALENE (TTF)



TTF (Tetrathiafulvalene) 2 mM in CH₃CN and Bu₄NPF₆ 0.1M. A) Ref. C220AT, Screen-printed gold electrode / Ink AT (Aux.: Au; Ref.: Ag). B) Ref. C550, Screen-printed platinum electrode (Aux.: Pt; Ref.: Ag).

TRIS-[2-PHENYLPYRIDINATO-C2-N]IRIDIUM (III)



[2-phenylpyridinato-C2, N] iridium (III) 2 mM in CH₃CN and Bu₄NPF₆ 0.1M. A) Ref. C220AT, Screen-printed gold electrode / Ink AT (Aux.: Au; Ref.: Ag). B) Ref. C550, Screen-printed platinum electrode (Aux.: Pt; Ref.: Ag).

The ELECTROCHEMICAL KIT includes a bipotentiostat/galvanostat (μ STAT400), DropView 8400 Software and connections for your electrochemical cell set-up. In addition, for those researchers interested in taking advantage of the Screen-Printed Electrodes (SPEs), thus avoiding tedious polishing procedures, a box mixing gold and platinum electrodes (refs. C220AT and C550), an organic compatible cell and connections are included. Check SPEs organic solvents compatibility at info@dropsens.com.

