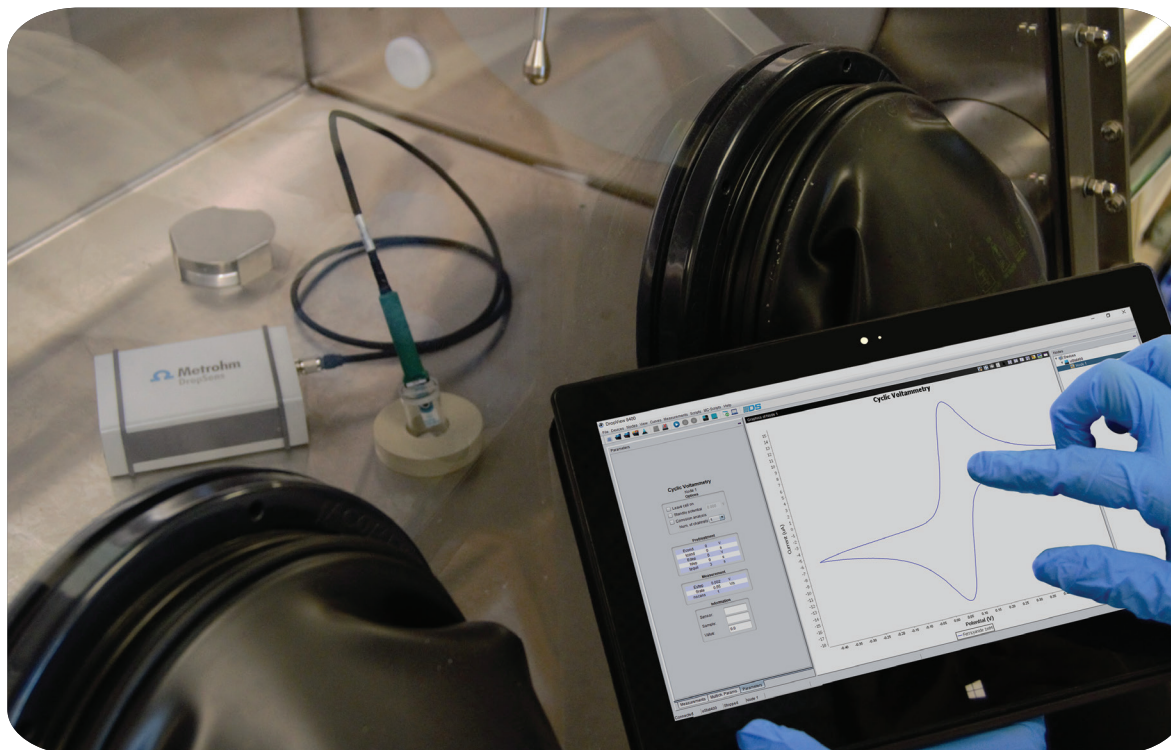


μ Stat 400 Potentiostat kit for organic and inorganic chemistry



01

Ref. STAT400-OI



Application examples

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

Key Benefits

- Portable instrument
- Wireless 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.

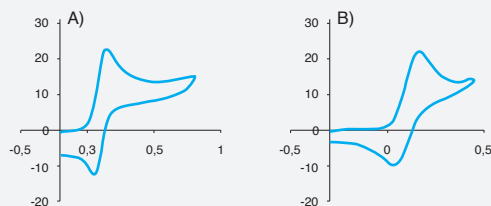
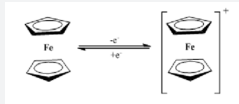
Electrochemical oxidation and reduction of molecules **avoids hazardous or expensive reactives, prevent half-reactions, achieves high chemoselectivity**, involves **mild reaction conditions**, and provides **low wastes** and sustainable methodologies.

μ Stat 400 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 Wireless connection allows you to keep your sample under controlled atmosphere conditions (f.i. inside a glove-box).

www.metrohm-dropsens.com

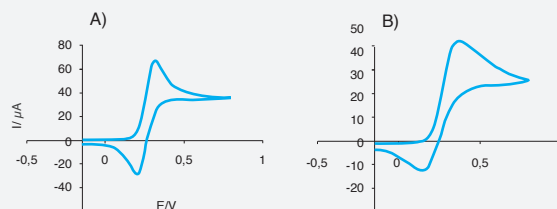
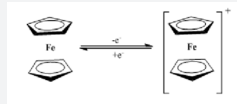


FERROCENE IN ISOPROPANOL



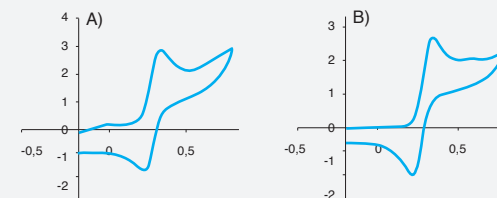
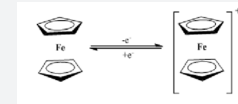
Ferrocene 2 mM in i PrOH and LiClO_4 0.1M. A) Ref. C220AT, Screen-printed gold electrode / Ink AT (Aux.: Au; Ref.: Ag). B) Ref. C550, Screen-printed platinum electrode (Aux.: Pt; Ref.: Ag).

FERROCENE IN ACETONITRILE



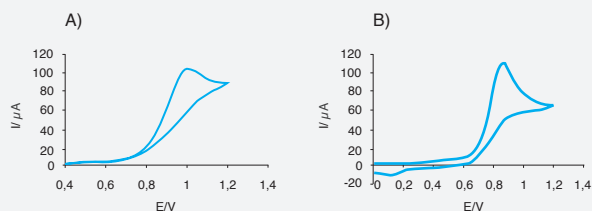
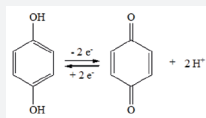
Ferrocene 2 mM in CH_3CN and LiClO_4 0.1M. A) Ref. C220AT, Screen-printed gold electrode / Ink AT (Aux.: Au; Ref.: Ag). B) Ref. C550, Screen-printed platinum electrode (Aux.: Pt; Ref.: Ag).

FERROCENE IN DIMETHYLSULFOXIDE (DMSO)



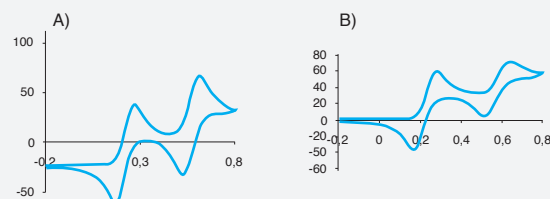
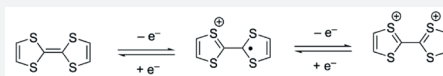
Ferrocene 0,2 mM in DMSO and Bu_4NPF_6 0,1M. A) Ref. C220AT, Screen-printed gold electrode / Ink AT (Aux.: Au; Ref.: Ag). B) Ref. C550, Screen-printed platinum electrode (Aux.: Pt; Ref.: Ag).

HYDROQUINONE



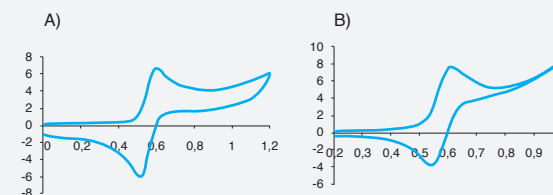
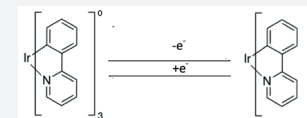
Hydroquinone 2 mM in CH_3CN and Bu_4NPF_6 0.1M. A) Ref. C220AT, Screen-printed gold electrode / Ink AT (Aux.: Au; Ref.: Ag). B) Ref. C550, Screen-printed platinum electrode (Aux.: Pt; Ref.: Ag).

TETRATHIAFULVALENE (TTF)



TTF (Tetrathiafulvalene) 2 mM in CH_3CN and Bu_4NPF_6 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 CH_3CN and Bu_4NPF_6 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 (μStat 400), 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. To check SPEs organic solvents compatibility, send an email to info@dropsens.com.

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