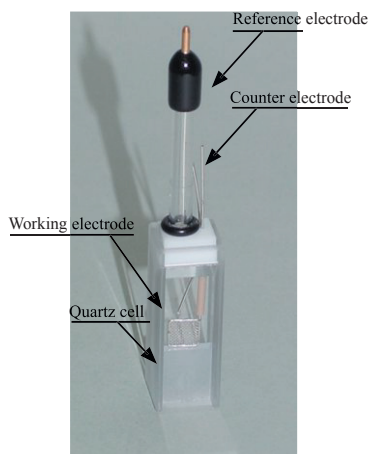
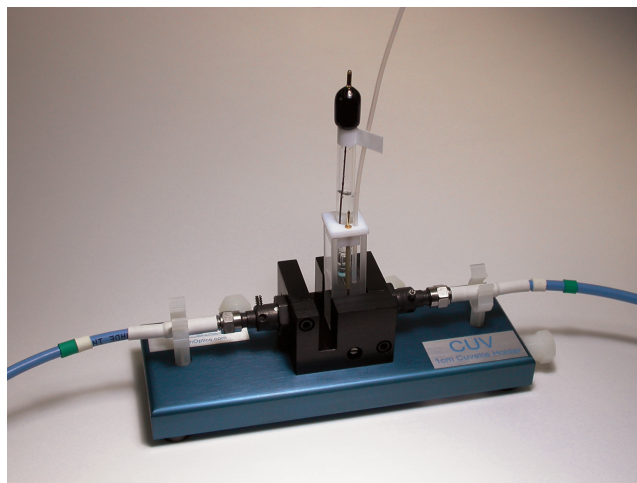


SEC-C Thin Layer Quartz Crystal Spectroelectrochemical cell

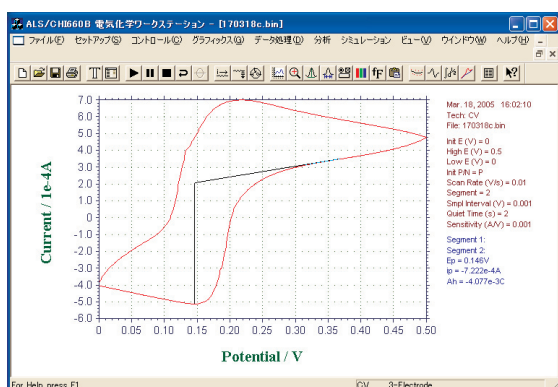
The UV-visible absorption spectrum profile of electrochemical substances reacted with electrodes are measured by OTE. Platinum and gold gauze electrode to transmit light beam are utilized as OTE working electrode. Quartz cell has 1cm thickness of liquid layer as light path, and its complete cell kit is shown below. 10mM Ferrocene is dissolved with ethylene chloride solution to add tetra butyl ammonium perchlorate as supporting electrolyte, and its spectrum was measured under CV run. You can look at nice spectrum corresponding to electrochemical reaction.



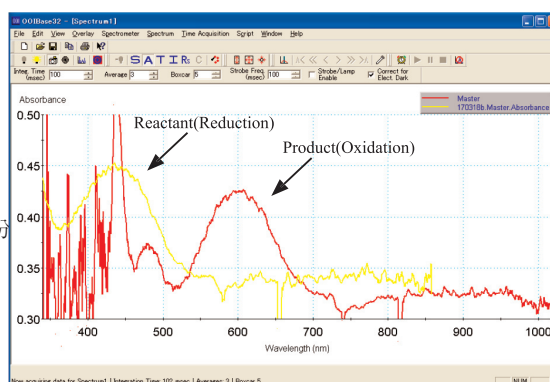
SEC-C Thin Layer Quartz Crystal Spectroelectrochemical cell



SEC-C cell was set at regular cell holder

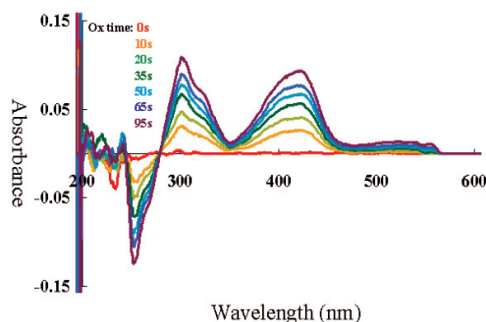


Cyclic voltammogram of 10mM Ferrocene

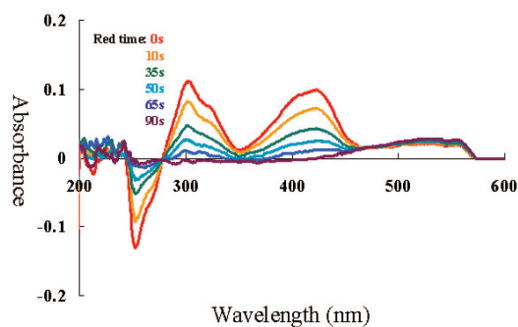


Simultaneous spectrum analysis of 10mM Ferrocene

Simultaneous CV and spectrum analysis was not only done. but also it was measured by electrolysis under constant potential. potassium ferricyanid solution was electrolyzed, and its spectrum was analyzed under oxidation state and reduction state.

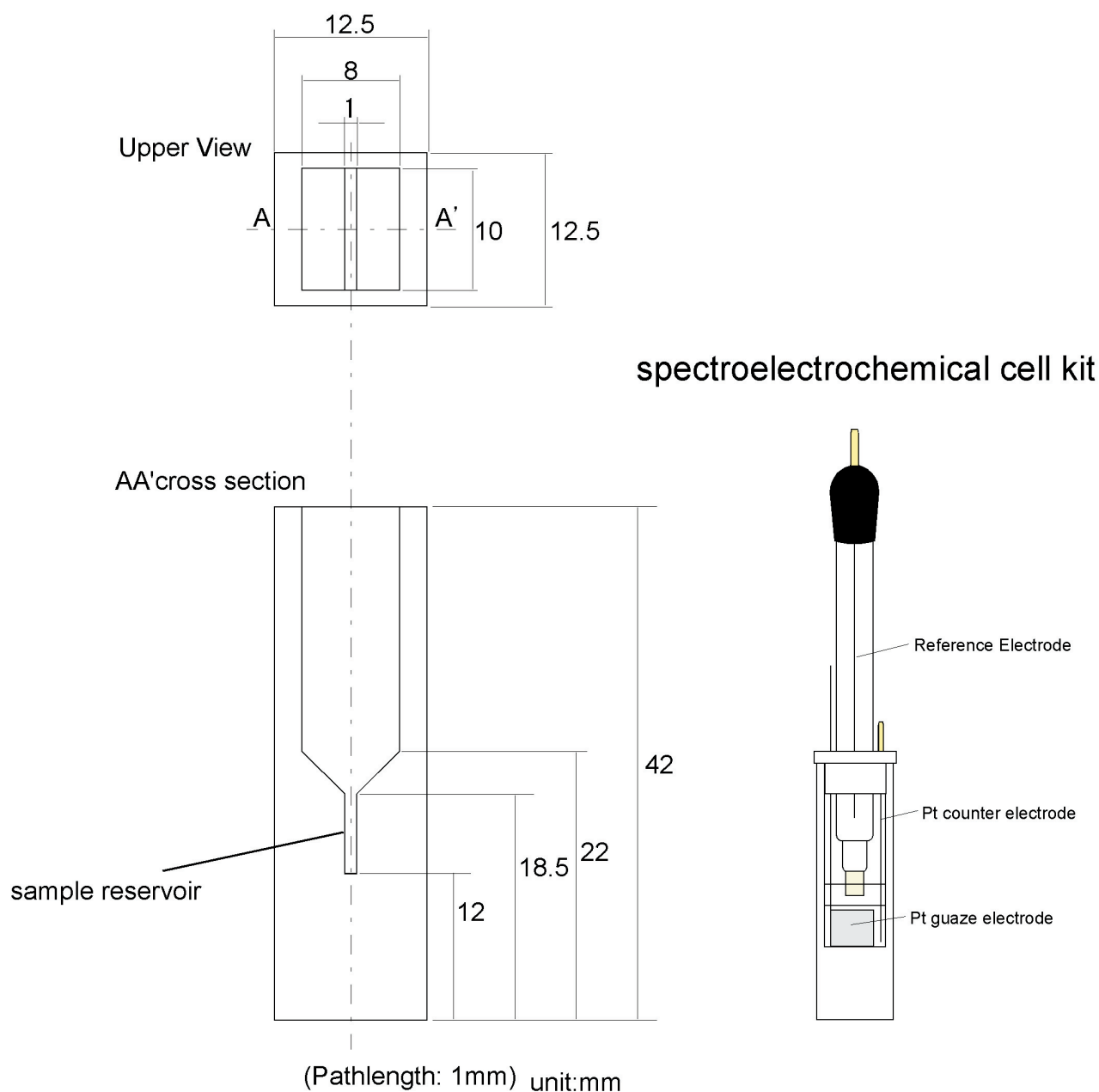


Potassium ferricyanid spectrum was measured under oxidation state .



Potassium ferricyanid spectrum was measured under reduction state .

Quartz Crystal glass spectroelectrochemical cell



Accessory

| Cat. No | Description | Specification | |
|---------|--|--|----------|
| 011546 | SEC-C Thin Layer Quartz Glass Spectroelectrochemical cell Kit | Reference electrode is separate items. | |
| | consists of : 011547, 011548, 01549, 011550, teflon tubing for purge | | |
| 011547 | SEC-C Pt Guaze spectroelectrochemical working electrode | | |
| 011548 | SEC-C Pt Counter electrode | | |
| 011549 | SEC-C Quartz Glass cell | Light path: 1mm | |
| 011550 | SEC-C Teflon Cap | | |
| 010248 | RE-1B Ag/AgCl Reference electrode | Length:80mm | OD:6.0mm |
| 010249 | RE-5 Ag/Ag ⁺ Non Aqueous Reference electrode | Length:80mm | OD:6.0mm |

Specification, Design and price are subject to be changed without notice.