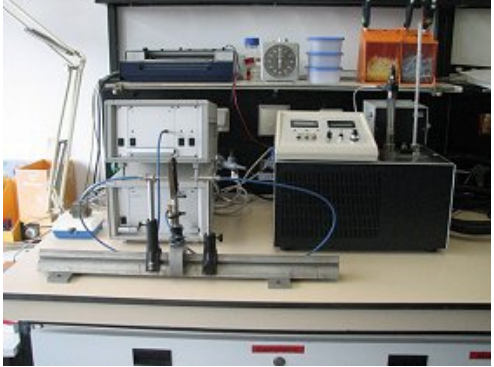


Methods, IOCBC, Friedrich

<p style="text-align: center;">Protein- Potentiometry</p> <p style="text-align: center;"><i>Bio-Electrochemistry</i></p>	<p>Model: <i>Home made</i> Unit and Room: <i>Biochemistry, 10th floor, R. 1010</i> Responsible: <i>Prof. Dr. Thorsten Friedrich</i> Further information: <i>http://portal.uni-freiburg.de/biochemie</i></p>	
<p>Short Description:</p> <p>Three-electrode arrangement connected to a home made potentiostat to apply defined voltages to proteins. Modified gold-grid as working electrode. Detection of redox-changes by diode-array UV/vis-spectroscopy.</p> <p>Available Experiments/Techniques:</p> <p>Various gold modifier for protein protection; Various mediators for protein redox chemistry</p>	<p style="text-align: center;">Picture of the Equipment</p> 	
<p>Special Equipment:</p> <p>Temperature controll system</p>		
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students <input type="checkbox"/> Students after Introduction <input checked="" type="checkbox"/> Students after extensive training <input type="checkbox"/> Trained scientific service personal</p>	
<p>Recent Publications, where this instrument was important (optional): Give citation</p>	<p>Biochemistry 2008, 47, 13036-13045.</p>	
<p>Typical problems that may be solved with this instrument:</p>	<p><i>Determination of protein cofactor midpoint potentials</i></p>	