


Methods, IPH, Müller

<p>CD Spectroscopy</p>	<p>Model: Unit and Room: Responsible: Further information:</p>	<p><i>JASCO J-810</i> <i>Pharmaceutical Chemistry, 02.056</i> <i>Dr. Silke Foegen</i></p>
<p>Short Description:</p> <p>CD spectrometer including quartz photo elastic modulator. </p> <p>Available Experiments/Techniques:</p> <ul style="list-style-type: none"> - Circular dichroism on neat liquids and solution samples. - Fluorescence detected CD (FDCCD) 	<p>Picture of the Equipment</p> 	
<p>Special Equipment:</p> <p>Variable temperature unit (273-323 K)</p>		
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students <input checked="" type="checkbox"/> Students after Introduction <input checked="" type="checkbox"/> Students after extensive training <input checked="" type="checkbox"/> Trained scientific service personal</p>	
<p>Recent Publications, where this instrument was important (optional): Give citation</p>	<p>1- Angew. Chem. Int. Ed. 2007, 46, 5916-5920. 2- J. Mol. Catal., B: Enzym. 2009, 61, 56-66.</p>	
<p>Typical problems that may be solved with this instrument:</p>	<ul style="list-style-type: none"> - <i>determination of absolute configuration</i> - <i>kinetic measurements</i> - <i>elucidation of secondary structure of peptides and proteins</i> - <i>estimation of enantiomeric excess</i> - <i>detection of supramolecular chirality</i> 	