


Methods, IAAC, Janiak

<p style="text-align: center;"><b>High performance liquid chromatography (HPLC)</b></p> <p style="text-align: center;"><i>chromatography</i></p>	<p>Model: <i>Merck-LaChrome-HPLC</i>          Unit and Room: <i>Chemie II, Room 035</i>          Responsible: <i>Prof. C. Janiak, S. Zuelsdorf</i></p>	<p>Further information: <i>instrument handbook</i></p>
<p>Short Description:</p> <p>Quantitative analysis of the organic components in a complex compound mixture by separation through distribution between a stationary phase and a mobile liquid phase.</p>	<p style="text-align: center;">Picture of the Equipment</p> 	
<p>Available Experiments/Techniques:</p> <p>Separation with monochromatic UV/VIS detection; manual sample injection; PC control for automatic/manual integration and calibration</p>		
<p>Special Equipment:</p> <p>Luna 10 <math>\mu</math>, C18(2), 250 x 4,6 mm and some other columns</p>		
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students  <input checked="" type="checkbox"/> Students after Introduction  <input 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>Typical problems that may be solved with this instrument:</p>	<p><i>quantification of organic components with UV/VIS absorption in a mixture, e.g. coffein in coffee, tea, medications.</i></p>	