


<p align="center"><b>Size Exclusion Chromatography</b></p> <p align="center"><i>SEC/GPC</i></p>	Model:	PSS Agilent 1200/1260 Series
	Unit and Room:	Inst.f.Makro.Mol.Chem., R.-1.010
	Responsible:	Marina Hagios, -1.009
	Further information:	<a href="http://portal.uni-freiburg.de/makro-chemie/zentrein/servicegroup/gpc">http://portal.uni-freiburg.de/makro-chemie/zentrein/servicegroup/gpc</a>
<p>3 PSS/Agilent SEC Systems equipped with Refractive Index and UV detectors. Solvents: Chloroform, THF and Water</p> <p>Chloroform: 4 SDV columns 5<math>\mu</math>(1000 A, 10000 A, 100000 A, 1000000 A)</p> <p>THF: 3 SDV columns 5<math>\mu</math>(100 A, 1000 A, 10000A)</p> <p>Water: 3 Suprema columns 10<math>\mu</math> (100A, 2x 3000A)</p> <p>Organic Measurements at RT (~22,5°C) Water Measurements at 40°C</p>		<p align="center">Picture of Equipment</p> 
<p>Available Experiments/Techniques:</p> <p>Size exclusion chromatography of polymers in chloroform, THF or Water</p> <p>Determination of molar mass distributions by means of calibration with PS or other Calibrants</p>		
Special Equipment:		
Measurements on the equipment are currently done by:	Trained scientific service personal	
Recent Publications, where this instrument was important (optional): Give citation	Macromolecular Rapid Communications (2009), Volume 30, Issue 15, Pages 1323-1327	
Typical problems that may be solved with this instrument:	Determination of molar mass distributions, molar mass averages and polydispersity of polymer samples	