


Methods, IOCBC, Einsle

<p style="text-align: center;">Polymerase Chain Reaction</p> <p style="text-align: center;"><i>Molecular Biology</i></p>	<p>Model:</p> <p>Unit and Room:</p> <p>Responsible:</p> <p>Further information:</p>	<p><i>Various Thermocyclers & Gradient Thermocyclers</i></p> <p><i>Biochemistry, 9th floor, R. 903</i></p> <p><i>Biochemistry, 10th floor, R. 1008</i></p> <p><i>Dr. Stefan Gerhardt, 203 5970</i></p> <p><i>http://portal.uni-freiburg.de/xray/equipment</i></p>
<p>Short Description:</p> <p>Thermocyclers for exponential amplification of DNA fragments by temperature cycling through denaturation, annealing and elongation phases. </p>	<p style="text-align: center;">Picture of the Equipment</p> 	
<p>Available Experiments/Techniques:</p> <p>Polymerase chain reactions and linear amplifications (single primer) of polynucleotides using the various protocols established for different applications.</p>		
<p>Special Equipment:</p> <p>Gradient Block, Heated Lid.</p>		
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students</p> <p><input checked="" type="checkbox"/> Students after Introduction</p> <p><input checked="" type="checkbox"/> Students after extensive training</p> <p><input checked="" 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>- exponential amplification of DNA fragments from a template</p> <p>- site-directed mutagenesis of DNA fragments.</p> <p>- DNA sequencing reactions.</p>	