Peptide-Synthesizer	Model:	*Peptide Synthesizer SP 4000-LAB Labortec AG*
	Unit and Room:	*Org./Bioorg. Chemistry, 1st floor, R.221F*
	Responsible:	*Prof. W. Bannwarth, S. Mundinger*
	Further information:	

Short Description:

Semi-automated instrument for the solid phase synthesis of peptides.

Picture of the Equipment

Available Experiments/Techniques:

Solid phase synthesis of peptides via BOC- and Fmoc synthesis methods on a scale of 0.2-5mMol. (Solvents and reagents are fed by gravity using special Boyle-Mariotte bottles).

Incorporation of N-a-amino acids into a peptide of any desired sequence with one end of the sequence remaining attached to a solid support matrix.

Special Equipment:

2 different synthesis reactors for the built-in shaker (50 and 100 ml capacity)

Measurements on the equipment are currently done by:	☐ Students ☐ Students after Introduction ☐ Students after extensive training ☐ Trained scientific service personal
Recent Publications, where this instrument was important (optional): Give citation	E.K. Kainmüller, W. Bannwarth; Helv. Chim. Acta, 2006, 89, 3056-3070
Typical problems that may be solved with this instrument:	