

Universal oven Memmert UFB 400

- for heating, drying tests, also for sample thermic treatments
- Range 5°C above room temperature up to 220°C

Microscope Olympus BX53F **with fluorescence + camera** DP72 (QuickPHOTO CAMERA 2.3)

- fluorescence mirror units:

U-FUW DAPI staining

U-FBWA SYTOX Green staining

U-FCFP CTC staining

U-FRFP Cyanobacteria *in vivo* fluorescence

U-FBW Algae *in vivo* fluorescence

Microscope Olympus CX21 LED FS1 – 4x, 10x, 40x, 100x

Stereo Microscope Olympus SZ51 – 6.7x to 40x (using 10x eyepieces)

Centrifuge Boeco C-28A

- for tubes 15 and 50 ml

Centrifuge Eppendorf mini Spin, Boeco M-6

- for tubes 1.5 and 2 ml

PCR box with UV

Vacuum pump - Vacuumbrand ME 1

Diaphragm pump - LAVAT VM20D

Steam sterilizer - Boeco BTE-23D

- 121 °C/ 134 °C
- for small volumes (chamber: 247 x 450 mm)

Water purification system Smart2PurePro (ThermoFisher Scientific)

Magnetic stirrer with heating IKA C-MAG HS 7 + **Electronic contact thermometer** IKA ETS-D5

Dry bath - AccuBlock Mini Labnet

- +5 °C to 100 °C

Metal Sieves (32, 16, 8, 4, 0.2 mm)

Loop sterilizer - Schuett solaris

- sterilization of inoculating loops, tweezers, and small instruments

Terralyzer – Cell disruptor

- hand-held device developed for vigorous sample disruption (bead beating)

Table UV lamp