

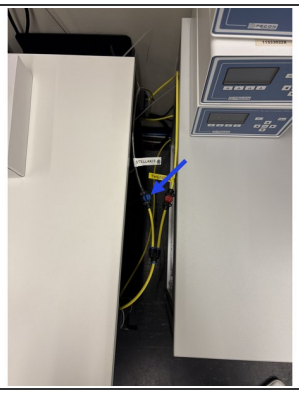
Leica Stellaris 4 - Environmental control

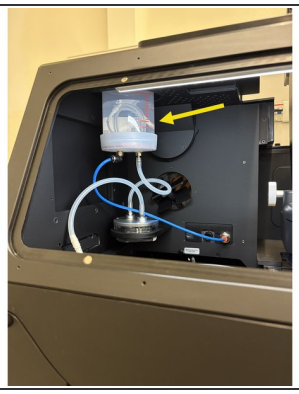
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Step 1 — Open CO2



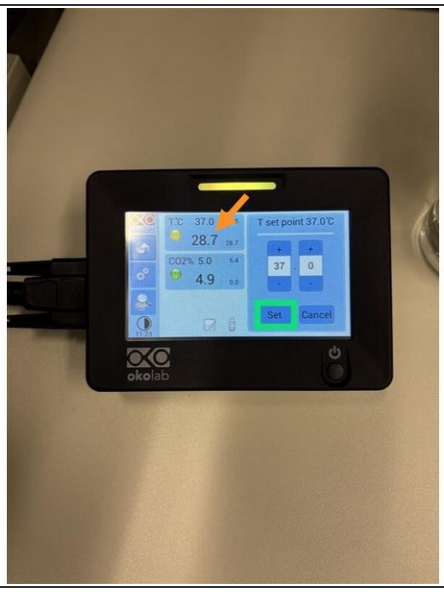




- Start heating at least 30 min before you start your experiment. This allows the chamber and the microscope components to heat up and avoids major drift during your experiment.
- Locate CO2 gas bottle close to the door
- Open the main valve
- Open the small valve
- Locate the tubing in between Leica tables and open the **blue** valve for Stellaris.
- Check water level in humidifier
  - If the water level is at minimum refill it from the stock bottle on the shelve above the microscope

Step 2 — Switch on the Okolab device

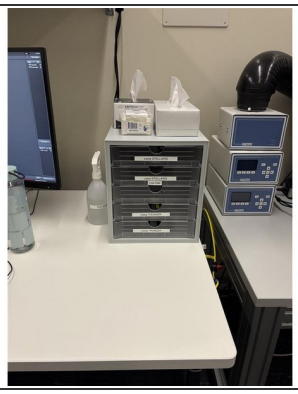


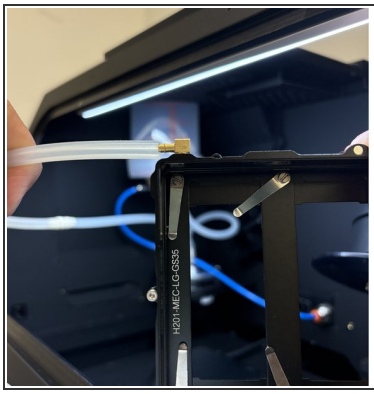


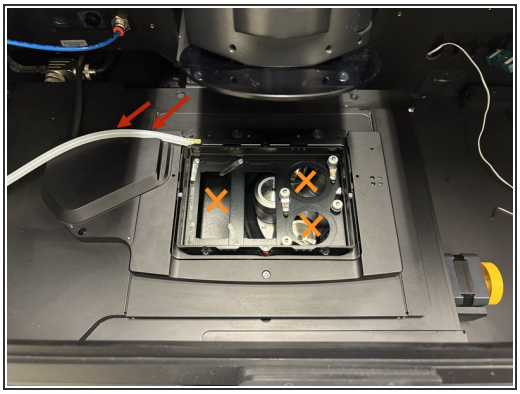
- Switch on the touchscreen of the okolab
- Check the desired temperature in the box
  - If you need to change it. Click on the temperature and adjust +/-
  - Confirm **Set**

ⓘ Once the temperature/level of CO2 is stabilized the yellow dot will turn green. For that you have to make sure, that environmental box is fully closed.

Step 3 — Install Live-cell chamber







- Find a live-cell chamber in the tower next to the microscope.
- You can remove the magnetic lid and connect the tubing to the chamber.
- Install the chamber on the microscpe
- It is important that this tubing will around the galvo stage, otherwise it won't sits perfectly in the stage.
- Block the other openings for dish/microscopic slide, if you don't use them. Otherwise the CO2 will escape from the chamber
- Put the lid on top of the chamber
- Close the environmental box around microscope to let temperature stabilize