

DANGEROUS: WEAR GLOVES WHEN HANDLING ELEMENTS FROM THE PACKAGE

Instructions for assembling the CO2 capturing kit

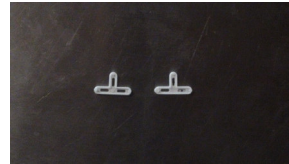
1. Unpack all the components from the package



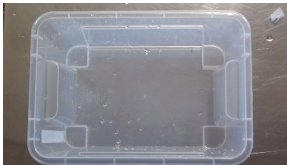
Zinc plate



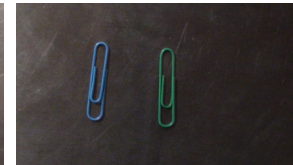
Nano coated plate



White clips



Plastic container



Paper clips as hooks



Electric wires



Container for storing CO2



Syringe

2. Use gloves when you are handling elements from the package - especially nano coated plates
3. Take one wire, put it into the hole of the zinc plate and twist the wire so that it makes a solid connection between the plate and the wire.



- Put white clips into two holes of zinc plate - in each hole one clip



- Take two paper clips and twist them for 180 degrees so that you make a hook from it



- Hang a zinc plate to the hooks on the inside of the plastic box. Hooks are attached to the white clips. Adjust the height of the plate so that it is about 2 cm from the bottom of the box.



- Take the second wire, put it into the hole of the nano coated plate and twist the wire so that it makes a solid connection between the plate and the wire (same as in step 3, but with coated plate)
- Put white clips into two holes of the nano coated plate - in each hole one clip (same as in step 4, but with coated plate)
- Take two paper clips and twist them for 180 degrees so that you make a hook from it (same as in step 5)
- Hang a nano coated plate to the hooks on the other side, opposite to the zinc plate of the plastic box. Hooks are attached to the white clips. Adjust height of the plate so that it is about 2 cm from the bottom of the box (same as in step 6, but with coated plate)

11. Connect two wires from each plate together and twist them tightly so that you have a solid connection between two plates.
12. Prepare 5% to 10% salt water solution with sea salt. Filter salt solution with coffee filter.
13. Pour salt water into the container where you have set the plates. Water should be about 1,5 cm below the top of the plates and it should not touch the wire connections to the plates
14. After a few days CO₂ GANS will be collected at the bottom of the container. Extract these materials with the syringe from the bottom of the container and put them into the smaller container which is in the kit. **Always use gloves when you are extracting and handling GANS material.**
15. After removing material from the container, add salt water so that the level of the water is the same after extraction.
16. If the production stops, you can exchange the salt water with a new salt solution.
17. If the production stops, you can also repeat the nano coating process one more time. The nano coating process will be shown in the video which has also been published on the internet.