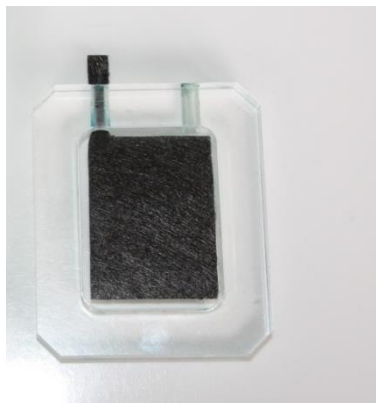


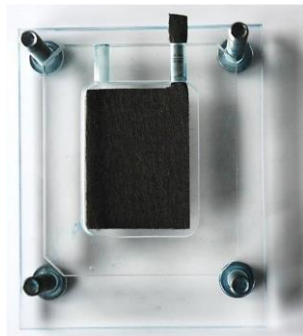
Plan of procedures for the assembling of the microbial fuel cell

1. Put the four screws through the end plate.
2. **Integration of the carbon fiber electrode**
 - 2.1 Put the prepared carbon fiber electrode inside of the fuel cell chamber
 - 2.2 Pull the end part of the carbon fiber electrodes through one of the openings of the fuel cell chamber with the help of the tweezers.



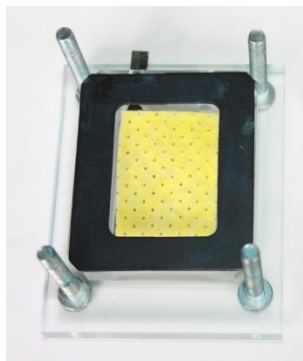
Please notice that the end parts of the carbon fiber electrodes need to stick out of the openings about 1 cm to attach the cables.

- 2.3 Put the fuel cell chamber with the end part of the carbon fiber electrodes on top of the short side of the end plate.



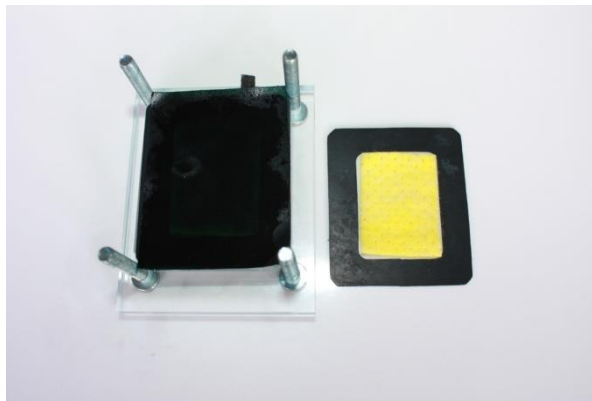
} long side

3. Put the J-cloth on top of the carbon fiber electrodes.

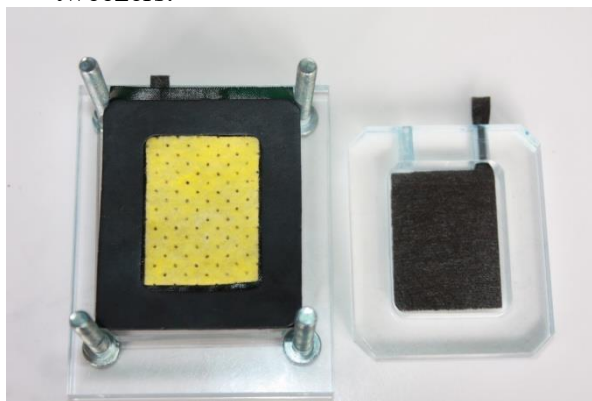


4. Put the neoprene gaskets on top of the fuel cell chamber.

5. Put the cation-exchange membrane, that were soaked in water over night, onto the neoprene gasket.
6. Put another neoprene gasket on top of the cation-exchange membrane.
7. Put another J-cloth onto the cation-exchange membrane inside of the neoprene gasket.



8. The integration of the second carbon fiber electrode.
 - 8.1 Put the second prepared carbon fiber electrode inside of the second fuel cell chamber.
 - 8.2 Pull the end part of the carbon fiber electrodes through one of the openings of the second fuel cell chamber with the help of the tweezers.



Please notice that the end parts of the carbon fiber electrodes need to stick out of the openings about 1 cm to attach the cables.

9. Put the second fuel cell chamber onto the neoprene gasket.

Please notice that both end parts of the carbon fiber electrodes should be diagonal.

10. Put the cover plate on and close the chamber with help of the wing nut.