FACSCanto II User Guide

Starting up

1. Turn on the air pressure.
2. Turn on the power to the cytometer.
3. Switch on the computer, log in to Windows under the BDOperator user, launch and log in into the Diva Software. Wait until change to connected status.
4. Check the fluid levels, that the FACSFlow tank is full, and the Waste tank is empty.
   In case of exchanging the FACSFlow tank, remove possible air bubbles from the fluidics by clicking: Cytometer > Cleaning Modes > Prime after tank refill > FACSFlow)
5. Do a fluidics start-up (**Cytometer > Fluidics start-up**).
6. Pre-run Cleaning: select High Flow Rate and run FACSRinse for 5 min followed by diH$_2$O for 5 min.
7. In case of being the first user in the day, run CS&T performance check (**Cytometer > CST**). Use an already prepared tube with CST-beads (good for up to 5 days if stored cold) or prepare a new one according to the instructions on the box.
8. In case you use plate mode, connect the plate sample line to the sample aspiration rod in the sample station. Otherwise, you can ignore this step.

9. The instrument is ready to run your samples.

Shutting down

1. Copy your files to an external USB (data will be deleted by the BFC every two weeks).
2. After-run Cleaning: select High Flow Rate
   a. 10 min FACSClean
   b. 10 min FACSRinse
   c. 10 min diH$_2$O
3. Choose **Cytometer > Fluidics Shutdown**, and then follow all prompts.
4. Turn off cytometer power
5. Exit Diva software
6. Turn off the computer
7. Close the air pressure