

BD ACCURI C6 OPERATION FOR USERS

During weekdays and regular working hours, UCF staff will switch the machines on before first booking and perform the Quality Control every day.

1. If the cytometer is turned off:
 - Turn on the cytometer and the computer. During start up, the cytometer automatically flushes the fluidic lines with sheath (dH₂O). This process takes approximately 5 minutes.
 - Open the software. Place an empty tube on the SIP and click backflush.
 - Place a fresh tube with dH₂O, set time limit for 15 min and fluidics speed to fast. Click RUN. Once time is reached, click DELETE SAMPLE DATA.
2. If the cytometer is turned on:
 - Login on windows: username: **facuser** password: **BDIS**
 - Open the software

CHECK FLUID AND WASTE LEVELS

3. **Make sure the sheath bottle has enough dH₂O before you start.** If the sheath bottle is empty refill it with dH₂O (reservoir is under the desk).
4. Check the Waste bottle and make sure it is empty.

STARTING ACQUISITION

5. Remove the tube with dH₂O that is on the SIP: **while holding the tube, gently push the sample stage back.**
6. Place an empty tube on the SIP and click backflush.
7. Remove the backflush tube and clean the needle using a paper towel.
8. Place your sample on the SIP and **pull the stage forward to support the tube.** The stage clicks into place.
9. Run your samples. Clean the needle using paper towel between samples and use backflush function if necessary.

FINISHING ACQUISITION AND DATA HANDLING

10. **REPLACE THE DEFAULT FILTERS ON THE CYTOMETER IF YOU HAVE MADE ANY CHANGES.**
11. Save your experiment and export the FCS files (File> Export all samples as FCS). FCS Files are automatically exported to the 'FCS Exports' folder on the Desktop. Move your files to immserver or MAC station.
12. Save a template into your unit folder in order to keep your settings.
13. **Clean the cytometer:**
 - a. Place a tube with **Decontamination Solution**, select an empty well and run for **5 minutes on FAST speed**;
 - b. Place a tube with **dH₂O**, select an empty well and run for **5 minutes on FAST speed**;
 - c. Leave the dH₂O tube on the cytometer
14. **If necessary, refill the sheath bottle with dH₂O and empty the waste bottle.**

TURNING OFF THE MACHINE

If you are the last user it is your responsibility to switch off. Penalties will incur if you fail to do so.

1. Turn off the cytometer. The shutdown cycle runs for approximately 15 minutes and then the cytometer automatically powers off.
2. Turn off the computer.