

# BD Accuri C6 Maintenance Guidelines

1. For the first user of the day, **Press the power button** to turn on cytometer. The startup takes approximately 5 min. Leave extra 15 min to allow the lasers to warm up  
*Note: On Monday morning FCRC staff perform weekly cleaning and maintenance. The instrument is keeping ON and available through 11 am-6 pm*
2. **Log into windows using your RUNet Login and password**
3. Double-click "**CFlow SAMPLER**" on the desktop. **Log into your CFlow SAMPLER account**
4. When Cytometer is at green-light ready state, check if a tissue towel is underneath the SIP
5. Click **Eject Plate** to allow the autosampler to unload
6. Click **Backflush** and watch the dripping from the SIP. Wait until the green light is on  
*Note: This step will confirm that the Instrument is not clogged*
7. Click **Unclog** and watch the dripping from the SIP. Wait until the green light is on  
*Note: This step will help to remove any bubble from the flow cell*
8. Before running your experiment, **wash AccuriC6 properly:**
  - Refill the tubes with 2 ml of Decontamination solution / Cleaning solution / MQ water. Place the tubes on A1/A2/A3 of 24-tube rack respectively
  - From **File** menu click **Open Cflow file or Template** and choose the file **Wash** from the folder "**Documents**"
  - Under **Manual Collect** mode select A1 and click **Delete Events** and do the same for A2 and A3. Choose A1 as starting tube (red square). Go to **Auto Collect** mode and select A1, A2 and A3 and click **Apply Settings > Open Run Display > Autorun** and run for 2 min on **FAST**
  - When run is finished select **CLOSE RUN DISPLAY**
  - **Eject** the tube rack, remove the tubes
9. **Create a new experiment, or import the saved template. Run your experiment**
10. **Save data. Export FCS files (optional). Copy them to the CFS**
11. When you are done with the experiment, **wash AccuriC6 properly:**
  - Refill the tubes with 2 ml of Decontamination solution / Cleaning solution / MQ water. Place the tubes on A1/A2/A3 of 24-tube rack respectively
  - From **File** menu click **Open Cflow file or Template** and choose the file **Wash** from the folder "**Documents**"
  - Under **Manual Collect** mode select A1 and click **Delete Events** and do the same for A2 and A3. Choose A1 as starting tube (red square). Go to **Auto Collect** mode and select A1, A2 and A3 and click **Apply Settings > Open Run Display > Autorun** and run for 2 min on **FAST**

- When run is finished select **CLOSE RUN DISPLAY**
  - Leave the tubes on the 24-tube rack
12. **Close CFlow SAMPLER software** and select **No** in the window coming out
  13. Before you leave FCRC please be sure to **switch instrument off if required**. Policy of keeping instruments “ON” or “OFF” depends on the time of the day:
    - During the daytime, keep the analyzer “**ON**”
    - If you finish experiment after 6 pm on the weekday or any time on the weekend and if the next person is not physically present at the site, we request to switch “**OFF**” the AccuriC6 by pressing the **power button**. The cleaning fluid cycle runs for ~ 13 min, then the cytometer automatically power off
  14. Please be sure to **log off Windows** before you leave FCRC **to avoid unnecessary charges**. Otherwise in 10 minutes Windows will automatically lock the session under your name and will prevent other researchers from usage of the instrument

**Note:** Please report all the problems / concerns to FCRC Staff:

**During business hours** – go to DWB205 and tell the FCRC staff member

**After hours** – e-mail to [FCRC\\_Staff@rockefeller.edu](mailto:FCRC_Staff@rockefeller.edu); leave the note about the problem on the instrument’s keyboard; shutdown the instrument by pressing the power button