

FACSCalibur Shutdown Procedure

Always clean the FACSCalibur instrument before you power it off at the end of the day. Proper cleaning will ensure that your instrument will function consistently.

To prevent the sample tube from becoming dogged and to remove adhesive dyes that could remain in the tubing causing carryover, run BD FACS Clean through the SIP at the end of each day followed by a distilled water rinse. Follow this procedure immediately after running viscous samples or dyes such as propidium iodide (PI), acridine orange (AO), or thiazole orange (TO).

Bleaching the Droplet Containment Tube and the Sample Injection Tube

1. Set the fluid control to RUN, install a tube containing 3 mL of 10% bleach on the SIP with the support arm to the side (vacuum is on), and let it run for 1 minute.
2. Move the support arm under the tube (vacuum is off). Allow the 10% bleach to run for 4 minutes on HI.

Rinsing the Droplet Containment Tube and the Sample Injection Tube

1. Install a tube containing 3 mL of distilled water on the SIP with the support arm to the side (vacuum is on). Let it run for 1 minute.
2. Move the support arm under the tube (vacuum is off). Allow the water to run for 4 minutes on HI.
3. Set the fluid control to STANDBY.
4. Place a tube containing no more than 1 mL of distilled water on the SIP.

CAUTION: Sheath fluid will back flush into the tube and may cause the tube to overflow if more than 1 mL of distilled water is in the sample tube. This could short out the regulator board.

5. If you are finished running samples, choose Shut Down from the Special menu to turn off the computer, and then shut off the power to the FACSCalibur. Otherwise simply log off using the FileGuard shield at the top right corner of the page.

The tube of distilled water should remain on the SIP to prevent salt deposits from forming in the injection tube.

- 6.
7. Depressurize the machine. Remove the waste container and bring it to the sink near the door. Empty the waste into the sink while running water. Add approximately 300 ml of Clorox to the waste container and place it back in the fluidics drawer.
8. Remove the sheath container from the fluidics drawer and fill it to top of the notch located on the side of the sheath container. Finally, replace the container in the fluidics drawer.