

Canto Startup

1. Canto lasers need to warm up 20 – 30 min.
2. Check all containers on the Fluidics cart. Pull it out.
 - a. Lift the sheath fluid box up. If it feels light, go ahead and change it. The sheath fluid for the Canto is under the Canto computer in a white box. Release the quick release and the twist connectors. VERY carefully lift out the sensor. Be very gentle with the sensor, if it is broken, the cytometer will not run. Exchange with new box and gently put sensor back in the box and reconnect.
 - b. Check the waste container. If seems full, follow the same disconnect procedure as for the sheath fluid. Dump the liquid down the sink. Add 1 L of bleach to container. There is a bleach 500 ml graduated cylinder on the pegboard above the sink.
 - c. Check the shutdown container. Unscrew the white cap. Add dH₂O to fill.
3. Turn on Instrument – big green button on left hand side of instrument.
4. Turn on computer. The computer has a log-in: BDIS
5. When computer is on, open Cytometer Status (on desktop and looks like a red phone). Open Diva Software. Double click and wait about 30 sec. before clicking again to make sure it is really not opening. Log-in for the user.
6. Select Cytometer Status and make sure there is a bunch of #'s and words running down the page. It slows down a couple of times, when it isn't happy that the HTS is not on. Don't worry about it.

Canto Shutdown

1. Follow the cleanup procedure for either PI or all other fluorochromes.
2. Cytometer/Shutdown
3. Log off software
4. Turn off Cytometer IF NO ONE ELSE IS USING IT. Leave it on if someone is within an hour of when you are done.
5. Turn off computer. There is a software glitch and the software freezes unless you start with everything off.

If nothing happens – try restarting instrument. If that doesn't work, restart computer and instrument.