

SOP-E019

CytoFlex Start-Up Procedure

Purpose: for getting the CytoFlex ready to run samples

Procedure:

1. Check sheath and waste tanks.
 - a. Fill sheath tank with CytoFLEX sheath fluid if needed
 - b. Empty waste tank and rinse, if needed
2. Close the bleed valve on the top of the sheath tank.
3. Turn on Jun-Air compressor (main power switch on front, red).
4. Turn the **red** (vacuum) and **blue** (pressure) switches located on the pressure console, to the on position.
5. Turn on the small vacuum pump by connecting the two power cables (have green tape on them).
6. Turn on the access control panel (press button at the side).
7. On the sorter touch screen, SmartSampler section, press the button (should be green) shaped like a droplet to turn on the sorter fluidics.
8. Once system pressure reaches 60psi, turn on de-bubble and let de-bubble for a while. (Go and get some coffee or something.)
9. Open the valve on back of optical table for three seconds, to bleed off bubbles in the lines.
10. Turn on lasers: **488** and **561** (underneath optical bench)
 - a. Turn on main power supply switches on top middle back of power supplies.
 - b. Wait for warm-up to finish. It will say standby. Turn keys to ON position.
11. Turn on laser: **UV** (underneath optical bench)
 - a. Turn on main power switch located on the front of the power supply.
 - b. Let warm up for at least 30 minutes before turning key to enable. (Yellow lights will blink until stable).
12. Turn on lasers: **640** and **405**
 - a. Turn on the power switches located on the cables on the optical bench.
13. Run QC beads.
14. Set up for sorting (see SOP P084).

Created by: Kathy Ragheb, September 8, 2015

Atoned by:

Verified by: _____ **Date:** _____

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