

SOP-E007

MoFlo XDP Sorter **Start-Up** Procedures

Purpose: for getting the XDP ready to run samples

Procedure:

In general, power to the XDP system and aXcess Control Panel should remain on

1. Check sheath, waste and clenz tanks.
 - a. Fill sheath with PBS if needed
 - b. Empty waste tank and rinse, if needed
 - c. Fill clenz tank 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. On the sorter touch screen, SmartSampler section, press the button (should be green) shaped like a droplet to turn on the sorter fluidics
6. Once system pressure reaches 60psi, turn on debubble and let debubble for a while
7. Turn on laser water cooling system
 - a. open chilled water supply lines in micro room (133D)
 - b. turn on chiller water pump switches on the wall next to the sorter
 - c. turn on valves on wall behind sorter
8. Turn on water cooled lasers
 - a. Turn on main power supply switches (silver boxes on wall with red handles)
 - b. Turn keys and switches on power supplies on
 - c. Turn the lasers on at the laser keypad controller boxes
 - d. Allow lasers to warm up 20 minutes
9. Go to the Droplet Control Screen and turn the drop drive on.
 - a. Let it warm up for at least 15min, half hour is best
10. Open the valve on back of optical table for three seconds, to bleed off bubbles in the lines
10. Run QC beads
11. Set up for sorting

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