**Influx operation**

**Starting up**
*Turn of electronics
*Open Spigot 6.0
*Go to sort icon “Present tray”
*Clean plates (Make sure they are not turned on)
*Put receptacle under the cell exit line
*Empty waste
*Open all valves (sample, purge, sheath)
*Open vacuum and air line on the wall
*Turn air switch on.
*Make sure all lines are clear of fluid.
*Close all valves.
*Turn air off
*Press red button on sheath tank to depressurize
*Remove sheath tank and rinse with Milli-Q
*Fill with 10% bleach and replace.
*Flip air switch on.
*Open sheath valve and let bleach run through for 10 minutes.
*Repeat with MilliQ.
*Then put sheath fluid on.
*Flush system by opening purge valve.
*Run fluid through lines for 2 minutes then close purge and sheath valves

**Nozzle**
*Sonicate nozzle for 5 minutes
*Flush nozzle both ways using the syringe with 0.2um filtered MilliQ
*Put nozzle in black adapter with O-ring.
*Remove receptacle and screw nozzle on.
*Open the sheath valve to start the stream.
*Rinse conical and fill with MilliQ
*Submerge nozzle and open purge valve.
*Open and close sample valve to loosen bubbles.
*When nozzle is free of bubbles open the sheath valve and close the purge valve.
*Dry the sides of the nozzle tip with cotton swab.
*Turn on the illumination buttons.
*Allow 2-3 hours for warmup

**Lasers**
*Open water intake hoses for the laser/lasers you will be using.
*Turn on the pump in the adjacent room.
*Turn on the laser/lasers you will be using with the key.
*Turn on the laser/lasers display panel above.
*Allow 30 minutes for warmup.
Shutting Down
*Close sample valve.
*Close slider.
*Turn off plate current
*Turn off the laser display panel and laser with key.
*Turn off the pump in pump room.
*Close intake and outtake valves near laser.
*Load a sample of 10% bleach and let it run for 5 minutes,
  * Repeat with MilliQ.
*Turn off sheath valve.
*Turn off air and depressurize sheath tank.
*Rinse sheath tank and fill with 10% bleach.
*Remove the nozzle, clean, and sonicate.
*Put receptacle on and turn on air.
*Open the sheath valve and flush system for 15 minutes.
*Open and close the purge line to flush purge line.
*Repeat with MilliQ
*Empty sheath tank.
*Turn on air and open purge valve, sheath, and sample valves.
*Let the system dry.
*Spray down the sample line, receptacle, and area with MilliQ
*Make sure area is cleaned of salt.
*Empty waste.