1. **No cells going through**
    a. **RUN button is green:**
        i. Blockages or air bubbles: cleaning with bleach may help if a blockage occurs. If it doesn't, prime once without tube followed by H_20. Priming with a PBS tube installed (with the support arm under the tube) and pressing RUN (HIGH) during the prime, immediately after the air bubbles stop, is usually effective.
        ii. Software bug: try priming and click 'acquire' during the prime. You should see a lot of events/sec. If you still see 0 events/sec, restart the software.
        iii. If after doing all this, no cells go through get help from UCF staff.
    b. **RUN button is orange:**
        i. Tube is cracked: replace the tube.
        ii. System not pressurized: make sure the pressure is ON on the smaller PBS container.
        iii. No sheath fluid: make sure the FFSS is turned on and both containers have enough sheath fluid. If you notice the FFSS was turned off, you need to refill both containers and purge the filter!
            1. How to purge the bubble filter*:* disconnect the fluid line from the central connection and connect it to the lateral connector. Roll the clamp and gently shake and roll the filter to check for trapped air bubbles, directing them to the lateral fluid line. With all the bubbles gone, reconnect the fluid line to the central connection.
        iv. Waste line not connected: connect the fluid line to the waste tank until you hear it "clicking" in place.
2. **Instrument dripping, or taking up too much sample when acquisition starts**: this can be due to blockages or waste pump problems. Check the orange waste connection and make sure it's properly attached. Try to clean the machine as described above and if this does not help get one of us to give you a hand.
3. **Events/populations move during acquisition:** probably due to air bubbles trapped in the system. Try priming several times and cleaning. If this doesn't help get one of us to check this.
4. **Cytometer not connecting:** turn off the cytometer and the PC, wait a few seconds and turn them on again (there is no need to wait another 30 minutes for the lasers to warm up).