

General

- Please use the tanks until they are nearly empty.
- Do not refill tanks at the instrument but switch to a freshly autoclaved tank
- A tank can be exchanged while running the sorter. Simply pause your experiment, switch off the stream, disconnect empty tank (air, sheath + sheath sensor), connect a new tank and switch the stream back on.
- We highly recommend to repeat the “Drop Delay” experiment because the tank fill level affects the “Drop1” position.

How to assemble a sterile tank

- 1) Put full autoclaved tank on the table (verify that the tape label indicates previous autoclaving!)
- 2) Find screw-wrench and Teflon tape (top drawer next to cell culture)
- 3) Take level sensor out of the 70% EtOH measuring cylinder and wrap screw thread of sensor with ca 2-3 layers of Teflon tape.
- 4) To ensure that the sensor is clean inside, spray 70% EtOH into the inverted sensor until it flows out of the vent holes of sensor
- 5) Turn sensor back upright and allow EtOH to flow out. Quickly wipe outside of sensor with EtOH tissue.
- 6) Insert sensor into tank with autoclaved PBS (mind sterile conditions when inserting the sensor) and gently tighten it with the screw-wrench on the **lower nut** of the sensor to secure it.
- 7) Don't overtighten! Sensor only has to be secured and sealed for pressure build up in tank. Check for leaks after pressuring the tank.

