

Cleaning u-Flux Flow Cell

End of day cleaning procedure:

1. Make sure all valves are closed
2. Make sure there is no pressure currently applied to the syringes, Press **Vacuum** on the uFlux control to release any pressure applied.
3. Remove any residual fluids left in the syringes.
4. Fill the syringes with 2 mL of Milli-Q. Always fill with the pipette tip against the syringe's bottom side to avoid trapping air bubbles at the bottom.
5. Flush ~1 mL of Milli-Q water by adjusting the pressure to 1.8-2 Bar and opening all valves
6. Make sure all 5 inlet syringes (out of six total syringes) flow, and at similar flow rates by observing the decrease in water levels.
7. If a syringe empties slower than the others, it may indicate partial clogging in the tubing, which might require extensive flushing for that specific syringe.
8. Close all valves and vent then open the clogged syringe and the outlet syringe.
9. Manually force flush water through. If it's still clogged, cut the very edge of each tube as this is where proteins tend to accumulate, and repeat the manual flush.
10. Remove remaining water from all syringes.
11. Fill the syringes with 1 mL of 100% bleach solution (sodium hypochlorite).
12. Flush ~ 0.5 mL Typically the machine is left overnight after this step, if to be used on the next day, if the machine is not to be used longer than two days please proceed to the step 13.
13. Remove remaining 100% bleach from all syringes.
14. Fill the syringes with 1 mL of 10% bleach solution (sodium hypochlorite).
15. Flush ~ 0.5 mL Typically the machine is left after this step.
16. Make sure all valves are closed
17. Make sure there is no pressure currently applied to the syringes, Press **Vacuum** on the uFlux control to release any pressure applied.