

## **Beginning of the day cleaning and equilibration procedure**

1. Make sure all valves are closed
2. Make sure there is no pressure currently applied to the syringes, Press **Vent** 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. Stop the flow by venting the uFlux and closing all the valves.
7. Add 100  $\mu$ L of sodium thiosulfate (0.5 M) to the remaining 1.0 ml of milli-Q water in each syringe and mix well by pipetting up and down several times to each syringe and flush the system with a minimum of 0.5mL (50mM sodium thiosulfate will neutralize any remaining bleach in the flow cell and tubing).
8. With a 1mL pipet, rinse the walls of the syringe with milli-Q water and then pipet out the rinsing volume.
9. Add 2 ml of fresh milli-Q water to each syringe and flush for 1 mL.
10. Remove remaining fluid and add 1.5 mL PBS or your preferred reaction buffer.
11. Flush for 1 ml to equilibrate the flow cell.
12. Now you are ready to load your beads and samples. s