

## **Protocol for flushing LACHAT**

All lines on the LACHAT should be flushed with water twice a week during periods when it is not in use.

### **Materials**

- Three large jugs (2.5L) filled with DI – one for each analyte
- Two waste carboys

### **Procedure for flushing the lines**

1. Turn on the LACHAT at the power strip
2. Place the three waste lines into one carboy labeled “DI waste water”
3. Place the lines into the 2.5L DI jugs
4. Push down the pump tubing, and pull the tabs up to vertical
5. Turn on the computer and open Omnion
6. Click Configuration → Autosampler → Initialize Autosampler, then close this window
7. Press “min” on the pump.
8. Run for at least an hour on “min”

### **Procedure after flushing the lines**

1. Close Omnion
2. Pull the lines out of the water, so they can pull air
3. Put the pump on speed 35
4. Wait for the lines to clear (~5min)
5. Pop up the pump tubing and release the tabs down
6. Move the waste lines into the erlenmeyer for DI waste water
7. Turn off the LACHAT
8. Dump out the waste water into the sink