*Mysis* Feed experiment procedure

Before noon each day:

1. Remove and record the # of dead *Mysis*

* Using the red light, a turkey baster and a beaker syphon dead *Mysis* out of each of the 6 tanks (labeled 1-5 and cooler, the cooler is blue and in the fridge on the floor on the left hand side).
* Record the number syphoned from each tank in the black “feeding experiment” notebook on the wet lab bench

1. Feed:
2. Check calendar taped to wet lab bench to see if a new Artemia culture needs to be started, if not do only steps B-E
3. using turkey baster and 64um sieve, syphon one baster full of artemia out of active tank (this will change) and filter through 64 um sieve.
4. Rinse Artemia in sieve with RO water for 10-20 seconds
5. Dip sieve into *Mysis* tank 1 to wash Artemia into tank
6. Repeat steps B-D for each tanks 2,4,5,cooler (there are no *Mysis* left in tank 3)
7. Making a new Artemia culture
   1. Add labeled bag of salt mixture found next to the scale in the lab to a 1 L beaker with a stir bar (found on stir plate in wet lab near environmental chamber)
   2. Fill beaker with RO water to the 1 l mark.
   3. Stir mixture until it is in solution (sometimes a few white specs remain, this is ok)
   4. While stirring, take the manila envelope labeled ‘STOCKWELL Artemia Cysts’ from the refrigerator. The envelop is directly to your right on the first shelf as you walk into the fridge.
   5. Weigh out 1 g of cysts into weigh boat.
   6. Once in solution, pour the salt water into the currently unused cut bottle with a bubbler (under the Algae culture lights)
   7. Add Artemia cysts and stir with a spatula until all cysts are submerged, using your finger push down any cysts that have gotten stuck to the side.

\*\*Cultures take about 3 days to hatch and then can be used for about 4-6 days. Therefore cultures need to be started 3 days before they need to be used. New culture start times are marked on the calendar. 3 days after the new culture is started you will need to start using this culture, to avoid confusion please empty the old culture into the drain when you start using the new one. If for some reason this does not happen and you are confused which culture is the old and which is the new, a living culture is a reddish color while a dead or old culture is a pale brown. The pale brown one should thus be emptied and replaced with a fresh culture.

If you have questions or are confused please call me, my number is 330-612-5137

Even on a new culture day this process usually takes me only about 20 min.