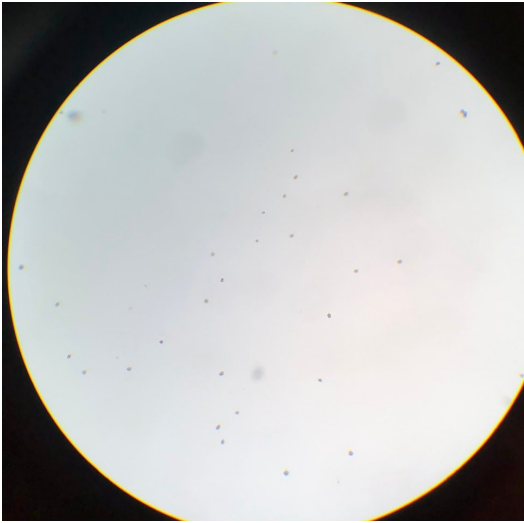


Name: Sijia Qin, Jiazi Tian

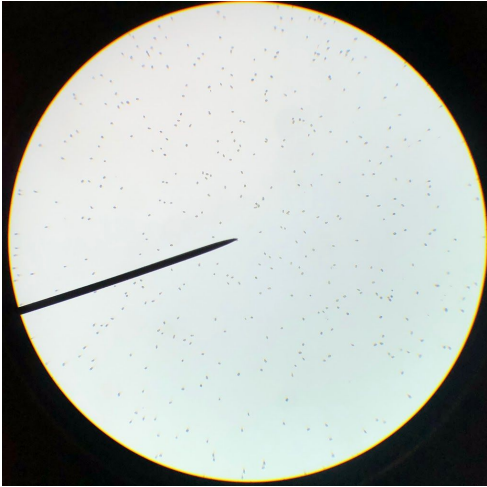
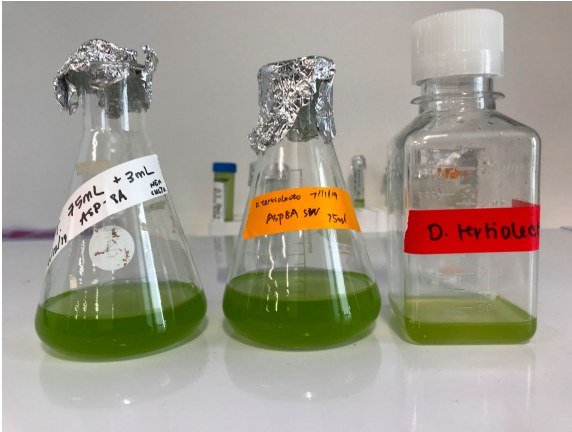
Date: 7/23/19

S. Microadriaticum

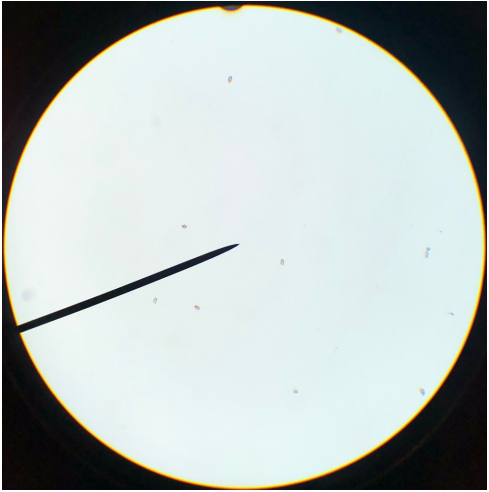
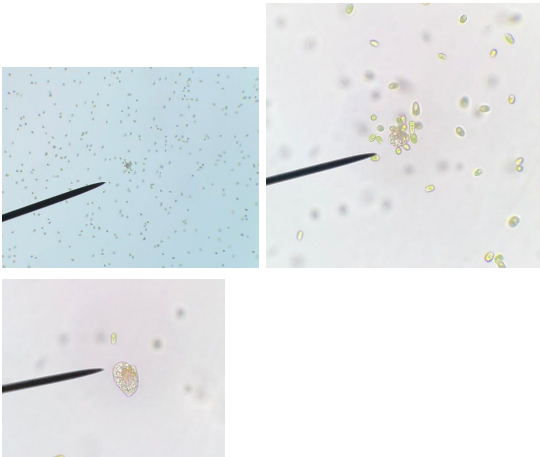
Stock	All were spinning actively.
	
F2 10 mL	About 20 were spinning actively as the stock. Very Low concentration compared to stock.
F2 25 mL	2 were swimming. 11 were spinning. 7 were nonmoving. Same concentration compared to F2 10mL.
F2 75 mL	5 were nonmoving. 6 was spinning.
ASP-8A 10 mL	All were spinning actively. High concentration compared to F2 10mL.
ASP-8A 25 mL	All were spinning actively. same concentration compared to stock.
ASP-8A 75 mL	All were spinning actively. same concentration compared to stock.
L1 10 mL	7 were spinning actively.
L1 25 mL	3 were spinning actively.
L1 75 mL	2 not moving, 2 were spinning.
L1 + F2 10 mL	2 were spinning, 1 was swimming.
L1 + F2 25 mL	1 was swimming, 1 was spinning.
L1 + F2 75 mL	nothing was seen.

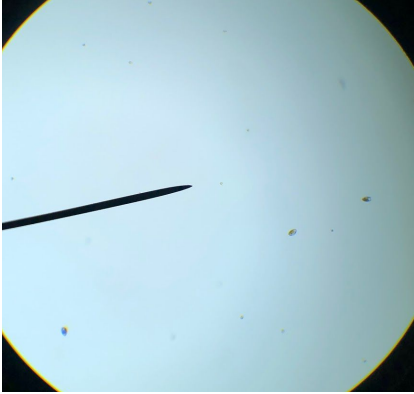
ASP-8A with SW 10 mL	about 20 were swimming.
ASP-8A with SW 25 mL	Two were nonmoving.
ASP-8A with SW 75 ml	12 were spinning, 5 were swimming.

D. Tertiolecta

<p>Stock</p> 	<p>$\frac{2}{3}$ were swimming. $\frac{1}{3}$ were shaking.</p>
ASP-8A 75 ml	<p>$\frac{2}{3}$ were shaking. $\frac{1}{3}$ were swimming. Same concentration as stock.</p>
ASP-8A with SW 10 mL	<p>$\frac{1}{2}$ were shaking. $\frac{1}{2}$ were swimming. Same concentration as stock.</p> <p>It seemed that they grew very healthy.</p>
ASP-8A with SW 25 mL	<p>$\frac{1}{2}$ were shaking. $\frac{1}{2}$ were swimming. Same concentration as stock.</p>
<p>ASP-8A with SW 75 ml</p> 	<p>$\frac{1}{5}$ were swimming. $\frac{4}{5}$ were shaking. High concentration compared to stock.</p> <p>The culture was very green like the ASP-8A 75 ml and were dark green than the stock.</p>

O. Marina

<p>Stock</p> 	<p>All babies and large were swimming actively. They looked purple and green.</p>
<p>F2 10 mL</p>	<p>All babies and large were swimming actively. They looked purple and green. High concentration compared to stock.</p>
<p>F2 25 mL</p>	<p>All babies and large were swimming actively. Same concentration as stock.</p>
<p>F2 75 mL</p>	<p>All babies and large were swimming. There were more large ones than baby o.marina. Low concentration compared to stock.</p>
<p>ASP-8A 10 mL</p>	<p>All babies and large were swimming. Same concentration as stock.</p>
<p>ASP-8A 25 mL</p>	<p>All babies and large were swimming. Saw several d.tertiolecta. A little low concentration compared to stock.</p>
<p>ASP-8A 75 ml</p> 	<p>Many D. tertiolecta compared to o.marina. Only saw 3 o.marina in total. Still saw two o.marina were surrounded by D. tertiolecta.</p> <p>The attacked two looked more round and felt like the whole body were too full and filled with green d.tertiolecta.</p> <p>The one swimming o.marina looked more ellipse and looked green and purple.</p>

ASP-8A with SW 10 mL	<p>All babies and large were swimming actively.</p> <p>A little low concentration compared to stock.</p>
ASP-8A with SW 25 mL	<p>All were swimming. Cannot see baby omarina. Did not find d.tertiolecta.</p> <p>Low concentration compared to stock.</p> <p>The bottom of this culture was a little green.</p>
<p>ASP-8A with SW 75 ml</p> 	<p>All babies and large were swimming. The body was dark and green. Saw a few d.tertiolecta.</p> <p>Low concentration compared to stock. High concentration compared to ASP-8A SW 25ml.</p> <p>The bottom of this culture was a little green.</p>