

Name: Kennex Lam

Date: 8/19/19

Hood				
Average Light Intensity ($\mu\text{mol}/\text{m}^2/\text{s}$): 63.14 Average Temperature ($^{\circ}\text{C}$): 26.1				
Symbiodinium Microadriaticum <ul style="list-style-type: none">The Symbiodinium under the hood is growing at a much faster rate than the one near the window.	ASP-8A		Average # of cells per square = $70/5 = 14$ Concentration of cells per mL = $14(10^4) = 140,000$	
	F/2		Average # of cells per square = $11/5 = 2.2$ Concentration of cells per mL = $2.2(10^4) = 22,000$	
Oxyrrhis Marina <ul style="list-style-type: none">Found some <i>D. tertiolecta</i> swimming in here. Swim much faster than the algae in filtered seawater.	F/2		Average # of cells per square = $14/5 = 2.8$ Concentration of cells per mL = $2.8(10^4) = 28,000$	
	Filtered SW		Average # of cells per square = $22/5 = 4.4$ Concentration of cells per mL = $4.4(10^4) = 44,000$	

Time (s)	Temperature ($^{\circ}\text{C}$)	Solar PAR ($\mu\text{mol}/\text{m}^2/\text{s}$)	White	
	Run 3	Run 3	Run 3	
1	0.000	26.1	63.12	9772
2	10.000	26.1	63.12	9772
3	20.000	26.1	63.19	9768
4	30.000	26.1	63.25	9771
5	40.000	26.1	62.95	9773
6	50.000	26.1	63.12	9770
7	60.000	26.1	63.25	9767
8				
9				

Y1

Temperature ($^{\circ}\text{C}$)

26.1

25

24

23

22

21

Run 1

Run 2

Run 3

Y2

Solar PAR ($\mu\text{mol}/\text{m}^2/\text{s}$)

65

60

55

50

45

40

35

30

25


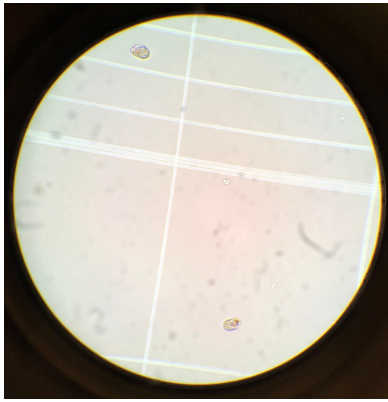
20

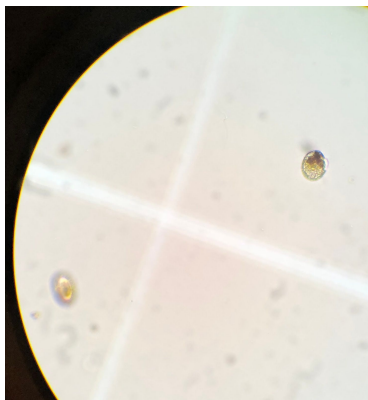
15

10

5

0

Window	
Time: 12:06 pm Average Light Intensity ($\mu\text{mol}/\text{m}^2/\text{s}$): 92.34 Average Temperature ($^{\circ}\text{C}$): 21.5	
Symbiodinium Microadriaticum <ul style="list-style-type: none"> - Most of the symbiodinium were not moving in both medias. A surprising amount seemed to be “dividing.” 	ASP-8A Average # of cells per square = $17/5 = 3.4$ Concentration of cells per mL = $3.4(10^4) = 34,000$
	F/2 Average # of cells per square = $17/5 = 3.4$ Concentration of cells per mL = $3.4(10^4) = 34,000$
Oxyrrhis Marina <ul style="list-style-type: none"> - The F/2 O. marina are swimming much more actively and do not appear as dark. They also have a higher concentration. 	F/2 Average # of cells per square = $19/5 = 3.8$ Concentration of cells per mL = $3.8(10^4) = 38,000$
<ul style="list-style-type: none"> - In filtered SW, The O. marina appear extremely dark and round. Within a 4 minute time span, all the large O. marina bursted open. Is this due to overfeeding or were all the O. marina already old? The smaller, baby O. marina did not burst. 	Filtered SW Average # of cells per square = $9/5 = 1.8$ Concentration of cells per mL = $1.8(10^4) = 18,000$



	Time (s)	Temperature (°C)	Solar PAR ($\mu\text{mol}/\text{m}^2/\text{s}$)	White
		Run 1	Run 1	Run 1
1	0.000	21.5	92.76	15769
2	10.000	21.5	93.19	15686
3	20.000	21.4	92.83	15700
4	30.000	21.5	92.63	15670
5	40.000	21.4	91.80	15613
6	50.000	21.5	91.80	15634
7	60.000	21.5	91.34	15566
8				
9				

