FILTERING DATA SHEET FOR MESOCOSMS

Date: 01 Aug 2012 Processing Crew: Jenn, Beth

mesocosm	Response Variable	Volume filtered	Volume 4% nitric acid added	Preservation	Notes
1	Pigments	500	NA	Freezer	
1	>1.2um fraction Ag	300	10mL	Fridge	
1	BP CN (same vol. both filters)	450	NA	oven	
1	BP P (same vol. both filters)	450	NA	oven	
1	BP Chl (same vol. both filters)	400	NA	freezer	
1	BP DNA / 1.2 to 0.2 Ag	70/50	5mL	Freezer/fridge	
1	BP Ag	100	5mL	fridge	
1	Seston CN (same vol. both filters)	300	NA	oven	slow
1	Seston P (same vol. both filters)	300	NA	oven	
1	Seston Chl (same vol both filters)	250	NA	freezer	
1	Seston Ag	130	5 mL	fridge	slow
2	Pigments	500	NA	Freezer	
2	>1.2um fraction Ag	300	10mL	Fridge	
2	BP CN (same vol. both filters)	450	NA	oven	
2	BP P (same vol. both filters)	450	NA	oven	
2	BP Chl (same vol. both filters)	400	NA	freezer	
2	BP DNA / 1.2 to 0.2 Ag	70/50	5mL	Freezer/fridge	
2	BP Ag	100	5mL	fridge	
2	Seston CN (same vol. both filters)	250	NA	oven	
2	Seston P (same vol. both filters)	250	NA	oven	
2	Seston Chl (same vol both filters)	250	NA	freezer	
2	Seston Ag	100	5	fridge	

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mesocosm	Response Variable	Volume filtered	Volume 4% nitric acid added	Preservation	Notes
3	Pigments	500	NA	Freezer	
3	>1.2um fraction Ag	500	10mL	fridge	
3	BP CN (same vol. both filters)	450	NA	oven	
3	BP P (same vol. both filters)	450	NA	oven	
3	BP Chl (same vol. both filters)	400	NA	freezer	
3	BP DNA/1.2um Ag	70/50	5	Freezer/fridge	
3	BP Ag	100	5	fridge	
3	Seston CN (same vol. both filters)	250	NA	oven	
3	Seston P (same vol. both filters)	250	NA	oven	
3	Seston Chl (same vol both filters)	250	NA	freezer	
3	Seston Ag	100	5	fridge	
4	Pigments	500	NA	Freezer	
4	>1.2um fraction Ag	500	10mL	fridge	
4	BP CN (same vol. both filters)	450	NA	oven	
4	BP P (same vol. both filters)	450	NA	oven	
4	BP Chl (same vol. both filters)	400	NA	freezer	
4	BP DNA/1.2um Ag	70/50	5mL	Freezer/fridge	
4	BP Ag	100	5mL	fridge	
4	Seston CN (same vol. both filters)	250	NA	oven	
4	Seston P (same vol. both filters)	250	NA	oven	
4	Seston Chl (same vol both filters)	250	NA	freezer	
4	Seston Ag	100	5	fridge	went fast but no tear in filter

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mesocosm	Response Variable	Volume filtered	Volume 4% nitric acid added	Preservation	Notes
5	Pigments	500	NA	freezer	
5	>1.2um fraction Ag	500	10mL	fridge	
5	BP CN (same vol. both filters)	450	NA	oven	
5	BP P (same vol. both filters)	450	NA	oven	
5	BP Chl (same vol. both filters)	400	NA	freezer	
5	BP DNA / 1.2-20.2 Ag	70/50	5mL	freezer/fridge	
5	BP Ag	100	5mL	fridge	
5	Seston CN (same vol. both filters)	250	NA	oven	
5	Seston P (same vol. both filters)	250	NA	oven	
5	Seston Chl (same vol both filters)	250	NA	freezer	
5	Seston Ag	100	5mL	fridge	
6	Pigments	500	NA	freezer	
6	>1.2um fraction Ag	500	10mL	fridge	
6	BP CN (same vol. both filters)	450	NA	oven	
6	BP P (same vol. both filters)	450	NA	oven	
6	BP Chl (same vol. both filters)	400	NA	freezer	
6	BP DNA / 1-250.2 Ag	70/50	5mL	freezer/fridge	
6	BP Ag	100	5mL	fridge	
6	Seston CN (same vol. both filters)	250	NA	oven	
6	Seston P (same vol. both filters)	250	NA	oven	
6	Seston Chl (same vol both filters)	250	NA	freezer	
6	Seston Ag	100	5mL	fridge	

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mesocosm	Response Variable	Volume filtered	Volume 4% nitric acid added	Preservation	Notes
7	Pigments	500	NA	Freezer	
7	>1.2um fraction Ag	500	10mL	fridge	
7	BP CN (same vol. both filters)	450	NA	oven	
7	BP P (same vol. both filters)	450	NA	Oven	
7	BP Chl (same vol. both filters)	400	NA	freezer	
7	BP DNA / 1.2um Ag	70/90	5mL	freezer/fridge	
7	BP Ag	100	5mL	fridge	
7	Seston CN (same vol. both filters)	250	NA	Oven	
7	Seston P (same vol. both filters)	250	NA	Oven	
7	Seston Chl (same vol both filters)	250	NA	freezer	
7	Seston Ag	130	5 mL	fridge	
8	Pigments	500	NA	freezer	
8	>1.2um fraction Ag	500	10mL	fridge	
8	BP CN (same vol. both filters)	450	NA	oven	
8	BP P (same vol. both filters)	450	NA	Oven	
8	BP Chl (same vol. both filters)	400	NA	freezer	
8	BP DNA / 1.2um Ag	70/50	5mL	Freezer/fridge	
8	BP Ag	100	5mL	fridge	
8	Seston CN (same vol. both filters)	250	NA	Oven	
8	Seston P (same vol. both filters)	250	NA	Oven	
8	Seston Chl (same vol both filters)	250	NA	freezer	
8	Seston Ag	100	5 mL	fridge	

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mesocosm	Response Variable	Volume filtered	Volume 4% nitric acid added	Preservation	Notes
9	Pigments	520	NA	freezer	
9	>1.2um fraction Ag	500	10mL	fridge	
9	BP CN (same vol. both filters)	450	NA	oven	
9	BP P (same vol. both filters)	450	NA	oven	
9	BP Chl (same vol. both filters)	400	NA	freezer	
9	BP DNA / 1.2-0.2 fraction	20/50	5mL	freezer/fridge	
9	BP Ag	100	5mL	fridge	
9	Seston CN (same vol. both filters)	250	NA	oven	
9	Seston P (same vol. both filters)	250	NA	oven	
9	Seston Chl (same vol both filters)	250	NA	freezer	
9	Seston Ag	100	5	fridge	
10	Pigments	520	NA	freezer	
10	>1.2um fraction Ag	500	10mL	fridge	
10	BP CN (same vol. both filters)	450	NA	oven	
10	BP P (same vol. both filters)	450	NA	oven	
10	BP Chl (same vol. both filters)	400	NA	freezer	
10	BP DNA / 0.2-0.2 fraction	20/50	5mL	Freezer/fridge	
10	BP Ag	100	5mL	fridge	
10	Seston CN (same vol. both filters)	250	NA	oven	
10	Seston P (same vol. both filters)	250	NA	oven	
10	Seston Chl (same vol both filters)	250	NA	freezer	
10	Seston Ag	100	5	fridge	

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mesocosm	Response Variable	Volume filtered	Volume 4% nitric acid added	Preservation	Notes
11	Pigments	500	NA	freezer	
11	>1.2um fraction Ag	500	10mL	fridge	
11	BP CN (same vol. both filters)	450	NA	oven	
11	BP P (same vol. both filters)	450	NA	oven	
11	BP Chl (same vol. both filters)	400	NA	freezer	
11	BP DNA /0.2|1.2 Ag	70/50	5mL	freezer/fridge	
11	BP Ag	100	5mL	fridge	
11	Seston CN (same vol. both filters)	250	NA	oven	
11	Seston P (same vol. both filters)	250	NA	oven	
11	Seston Chl (same vol both filters)	250	NA	freezer	
11	Seston Ag	100	5mL	fridge	
12	Pigments	500	NA	freezer	
12	>1.2um fraction Ag	500	10mL	fridge	
12	BP CN (same vol. both filters)	450	NA	oven	
12	BP P (same vol. both filters)	450	NA	oven	
12	BP Chl (same vol. both filters)	400	NA	freezer	
12	BP DNA /1.2|0.2 Ag	70/50	5mL	freezer/fridge	
12	BP Ag	100	5mL	fridge	
12	Seston CN (same vol. both filters)	250	NA	oven	VERY SLOW!
12	Seston P (same vol. both filters)	250	NA	oven	↓
12	Seston Chl (same vol both filters)	200	NA	freezer	
12	Seston Ag	100	5mL	fridge	

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FILTERING DATA SHEET FOR MESOCOSMS

Date: 08-August-12 Processing Crew: Jen, Nicole, Graham

mesocosm	Response Variable	Volume filtered	Volume 4% nitric acid added	Preservation	Notes
1	Pigments		NA		
1	>1.2um fraction Ag	500 mL	10mL	Fridge	
1	BP CN (same vol. both filters)		NA		
1	BP P (same vol. both filters)		NA		
1	BP Chl (same vol. both filters)		NA		
1	BP DNA / BP Ag 1.2-0.2	/ 50mL	5mL		
1	BP Ag	50mL	5mL		
1	Seston CN (same vol. both filters)		NA		
1	Seston P (same vol. both filters)		NA		
1	Seston Chl (same vol both filters)		NA		
1	Seston Ag	100	5mL		
2	Pigments		NA		
2	>1.2um fraction Ag	500mL	10 mL	Fridge	
2	BP CN (same vol. both filters)		NA		
2	BP P (same vol. both filters)		NA		
2	BP Chl (same vol. both filters)		NA		
2	BP DNA / BP Ag 1.2-0.2	/50mL	5mL		
2	BP Ag	50mL	5mL		
2	Seston CN (same vol. both filters)		NA		
2	Seston P (same vol. both filters)		NA		
2	Seston Chl (same vol both filters)		NA		
2	Seston Ag	50mL	5mL		

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Date: _____ Processing Crew: _____

mesocosm	Response Variable	Volume filtered	Volume 4% nitric acid added	Preservation	Notes
3	Pigments		NA		
3	>1.2um fraction Ag	200	10 mL		
3	BP CN (same vol. both filters)		NA		
3	BP P (same vol. both filters)		NA		
3	BP Chl (same vol. both filters)		NA		
3	BP DNA / BPAg 1.2-0.2	150mL	5mL		
3	BP Ag	50mL	5mL		
3	Seston CN (same vol. both filters)		NA		
3	Seston P (same vol. both filters)		NA		
3	Seston Chl (same vol both filters)		NA		
3	Seston Ag	50	5mL		
4	Pigments		NA		
4	>1.2um fraction Ag	200	10mL		
4	BP CN (same vol. both filters)		NA		
4	BP P (same vol. both filters)		NA		
4	BP Chl (same vol. both filters)		NA		
4	BP DNA / BPAg 1.2-0.2	150mL	5mL		
4	BP Ag	50mL	5mL		
4	Seston CN (same vol. both filters)		NA		
4	Seston P (same vol. both filters)		NA		
4	Seston Chl (same vol both filters)		NA		
4	Seston Ag	70	5mL		

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mesocosm	Response Variable	Volume filtered	Volume 4% nitric acid added	Preservation	Notes
5	Pigments		NA		
5	>1.2um fraction Ag	200	10 mL		
5	BP CN (same vol. both filters)		NA		
5	BP P (same vol. both filters)		NA		
5	BP Chl (same vol. both filters)		NA		
5	BP DNA / BP Ag 1.2-0.2	/ 50mL	5mL		
5	BP Ag	50mL	5mL		
5	Seston CN (same vol. both filters)		NA		
5	Seston P (same vol. both filters)		NA		
5	Seston Chl (same vol both filters)		NA		
5	Seston Ag	50	5 mL		
6	Pigments		NA		
6	>1.2um fraction Ag	200	10 mL		
6	BP CN (same vol. both filters)		NA		
6	BP P (same vol. both filters)		NA		
6	BP Chl (same vol. both filters)		NA		
6	BP DNA / BP Ag 1.2-0.2	/ 50mL	5mL		
6	BP Ag	50mL	5mL		
6	Seston CN (same vol. both filters)		NA		
6	Seston P (same vol. both filters)		NA		
6	Seston Chl (same vol both filters)		NA		
6	Seston Ag	50	5mL		

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mesocosm	Response Variable	Volume filtered	Volume 4% nitric acid added	Preservation	Notes
7	Pigments		NA		
7	>1.2um fraction Ag	500 mL	10 mL	Fridge	
7	BP CN (same vol. both filters)		NA		
7	BP P (same vol. both filters)		NA		
7	BP Chl (same vol. both filters)		NA		
7	BP DNA / BP Ag 1.2-0.2	50mL	5mL		
7	BP Ag	50mL	5mL		
7	Seston CN (same vol. both filters)		NA		
7	Seston P (same vol. both filters)		NA		
7	Seston Chl (same vol both filters)		NA		
7	Seston Ag	~~100~~ 710 mL	5mL		
8	Pigments		NA		
8	>1.2um fraction Ag	200	10mL		
8	BP CN (same vol. both filters)		NA		
8	BP P (same vol. both filters)		NA		
8	BP Chl (same vol. both filters)		NA		
8	BP DNA / BP Ag 1.2-0.2	50mL	5mL		
8	BP Ag	50mL	5mL		
8	Seston CN (same vol. both filters)		NA		
8	Seston P (same vol. both filters)		NA		
8	Seston Chl (same vol both filters)		NA		
8	Seston Ag	50 mL	5 mL		

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mesocosm	Response Variable	Volume filtered	Volume 4% nitric acid added	Preservation	Notes
9	Pigments		NA		
9	>1.2um fraction Ag	200	10mL		
9	BP CN (same vol. both filters)		NA		
9	BP P (same vol. both filters)		NA		
9	BP Chl (same vol. both filters)		NA		
9	BP DNA /BPAg 1.2-0.2	/50mL	5mL		
9	BP Ag	50mL	5mL		
9	Seston CN (same vol. both filters)		NA		
9	Seston P (same vol. both filters)		NA		
9	Seston Chl (same vol both filters)		NA		
9	Seston Ag	50	5mL		
10	Pigments		NA		
10	>1.2um fraction Ag	200	10mL		
10	BP CN (same vol. both filters)		NA		
10	BP P (same vol. both filters)		NA		
10	BP Chl (same vol. both filters)		NA		
10	BP DNA /BPAg 1.2-0.2	/50mL	5mL		
10	BP Ag	50mL	5mL		
10	Seston CN (same vol. both filters)		NA		
10	Seston P (same vol. both filters)		NA		
10	Seston Chl (same vol both filters)		NA		
10	Seston Ag	50	5mL		

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mesocosm	Response Variable	Volume filtered	Volume 4% nitric acid added	Preservation	Notes
11	Pigments		NA		
11	>1.2um fraction Ag	500mL	10mL	Fridge	
11	BP CN (same vol. both filters)		NA		
11	BP P (same vol. both filters)		NA		
11	BP Chl (same vol. both filters)		NA		
11	BP DNA / BP Ag 1.2 0.2	/ 50mL	5 mL		
11	BP Ag	50 mL	5mL		
11	Seston CN (same vol. both filters)		NA		
11	Seston P (same vol. both filters)		NA		
11	Seston Chl (same vol both filters)		NA		
11	Seston Ag	~~1000 mL~~ 84	5mL		
12	Pigments		NA		
12	>1.2um fraction Ag	200	10mL		
12	BP CN (same vol. both filters)		NA		
12	BP P (same vol. both filters)		NA		
12	BP Chl (same vol. both filters)		NA		
12	BP DNA / BP Ag 1.2-0.2	/ 50mL	5mL		
12	BP Ag	50 mL	5mL		
12	Seston CN (same vol. both filters)		NA		
12	Seston P (same vol. both filters)		NA		
12	Seston Chl (same vol both filters)		NA		
12	Seston Ag	50	5mL		