



LOG_SAMPLES_ YYYY MM DD 2024 04 03 _STATION- # # # 1 2 1 _W-LAB-142-1
 OPERATOR(S) Eric

Depth Replicate	S320 Cryo-5mL LN2 #1	S023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	S<02 Cryo-5mL FRG +4°C	Filtration Volume (Litres)
Z00 R01 m			<input type="checkbox"/> 20L 15 L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L 15 L
Z00 R02 m			<input type="checkbox"/> 20L 11 L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L 11 L
Z02 R01 m	###-Z02 S320-1	###-Z02 S023	<input type="checkbox"/> 20L L	<input type="checkbox"/> 15 min. min.	###-Z02 S<02	<input type="checkbox"/> 20L L
Z02 R02 m	###-Z02 S320-2	###-Z02 S023-2	<input type="checkbox"/> 20L L	<input type="checkbox"/> 15 min. min.	###-Z02 S<02-2	<input type="checkbox"/> 20L L
Depth Replicate	P320 Cryo-5mL LN2 #1	P023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	< 0.2 µm	
Z00 m			<input type="checkbox"/> 50L 35 L	<input checked="" type="checkbox"/> 60 min. min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2	
Z02 m	###-Z02 P320	###-Z02 P023	<input type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. min.		
Depth Replicate	S320-L 15mL falcon -20°C + 10 mL Nucleoprotect	S023-L 15mL falcon -20°C + 10 mL Nucleoprotect	Filtration Volume (Litres)	Filtration Duration (minutes)		
Z00 m			<input type="checkbox"/> 50L 35 L	<input checked="" type="checkbox"/> 60 min. min.		
Z02 m	###-Z02 S320-L	###-Z02 S023-L	<input type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. min.		



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Depth Replicate	COMMENTS S###
Z00 R01 m	X
Z00 R02 m	X
Z02 R01 m	
Z02 R02 m	
Depth	COMMENTS P###
Z00 m	X
Z02 m	
Depth	COMMENTS S###L
Z00 m	
Z02 m	X



LOG_SAMPLES_ YYYY MM DD _STATION- # # # _DECK-BGC

2024 04 03 1 2 1

OPERATOR(S) Vanessa Pahl

Depth	TOC Vial-40mL FRG +4°C	TOC Vial-40mL FRG +4°C	TOC Vial-40mL FRG +4°C	DICTA Bottle-500mL RT >10°C	SAL Bottle-125mL RT >10°C
Z00 m					###-Z00 SAL
Z02 m	###-Z02 TOC-1	###-Z02 TOC-2	###-Z02 TOC-3	###-Z02 DICTA	###-Z02 SAL
	+ 150 µl HCl			+ 300 µl HgCl ₂	
Depth	CDOM/FDOM Bottle-60mL FRG +4°C	DOC Vial-40mL FRG +4°C	NUT Bottle-60mL FRZ -20°C		
Z00 R01 m					
Z00 R02 m					
Z00 R03 m					
Z02 R01 m	###-Z02 DOM-1	###-Z02 DOC-1	###-Z02 NUT-1		
Z02 R02 m	##-Z02 DOM-2	###-Z02 DOC-2	###-Z02 NUT-2		
Z02 R03 m	##-Z02 DOM-3	###-Z02 DOC-3	###-Z02 NUT-3		
	+ 150 µl HCl				



Depth	COMMENTS TOC	COMMENTS DICTA	COMMENTS SAL
Z00 m			
Z02 m			
Depth Replicate	COMMENTS CDOM/FDOM	COMMENTS DOC	COMMENTS NUT
Z00 R01 m			
Z00 R02 m			
Z00 R03 m			
Z02 R01 m			
Z02 R02 m			
Z02 R03 m			



LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _TARDIS-SCP

OPERATOR(S) Vanessa Pahl

Depth	PPL Falcon-50mL FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)	HLB Falcon-50mL FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)
Z00 R01		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.
m		L	min.		L	min.
Z00 R02		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.
m		L	min.		L	min.
Z00 R03		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.
m		L	min.		L	min.
Z00 R04		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.
m		L	min.		L	min.
Z02 R01	###-Z02 PPL-1	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.	###-Z02 HLB-1	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.
m		L	min.		L	min.
Z02 R02	###-Z02 PPL-2	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.	###-Z02 HLB-2	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.
m		L	min.		L	min.
Z02 R03	###-Z02 PPL-3	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.	###-Z02 HLB-3	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.
m		L	min.		L	min.
Z02 R04	###-Z02 PPL-4	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.	###-Z02 HLB-4	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.
m		L	min.		L	min.
Depth Replicate	MB320 50mL-Falcon FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)	MB033 50mL-Falcon FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)
Z00		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min.		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min.
m		L	min.		L	min.
Z02	###-Z02 MB320	<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min.	###-Z02 MB033	<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min.
m		L	min.		L	min.



Depth		COMMENTS
Z00	R01 m	
Z00	R02 m	
Z00	R03 m	
Z00	R04 m	
Z02	R01 m	
Z02	R02 m	
Z02	R03 m	
Z02	R04 m	



LOG_SAMPLES_ **2024 04 03** _STATION- **1 2 1** _S-LAB-OTHER

OPERATOR(S) **ANNA ODDONE**

Depth Replicates	● HC Cryo-5mL LN2 #1	● HC-G Cryo-5mL LN2 #1	○ CP-G Cryo-5mL LN2 #1	● SG Cryo-5mL LN2 #1	● FC-P Cryo-2mL LN2 #3	● FC-G Cryo-2mL LN2 #3
Z00 R01 m						
Z00 R02 m						
Z00 R03 m				Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at - 20°C
Z00 R04 m			Glycerol prealiquot - RT			
Z00 R05 m				DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C
Z00 R06 m						
Z00 R07 m						
Z00 R08 m						
Prealiquot	No prealiquot	Glycerol prealiquot - RT		+ 100 µL ZnCl ²	+ 100 µL ZnCl ²	+ 100 µL ZnCl ²
Depth Replicate	eDNA Watera capsule RT	Filtration Volume (Litres)	Filtration Duration (minutes)	+ 50 mL of buffer	< 0.45 µm	
Z00 m		<input checked="" type="checkbox"/> 30L L	<input checked="" type="checkbox"/> 30 min. min.			



Depth	Replicates	○ CP-G Cryo-5mL LN2 #1	● SG Cryo-5mL LN2 #1	● FC-P Cryo-2mL LN2 #3	● FC-G Cryo-2mL LN2 #3			
Z02	R01 m	###-Z02 CP-G-1	###-Z02 SG-1	###-Z02 FC-P-1	###-Z02 FC-G-1			
Z02	R02 m	###-Z02 CP-G-2	###-Z02 SG-2	###-Z02 FC-P-2	###-Z02 FC-G-2			
Z02	R03 m	###-Z02 CP-G-3	Glycine- betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at - 20°C			
	Prealiquot	Glycerol prealiquot - RT						
					DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	
					###-Z02 DGAS-1	###-Z02 DGAS-2	###-Z02 DGAS-3	
					+ 100 µL ZnCl ²	+ 100 µL ZnCl ²	+ 100 µL ZnCl ²	

COMMENTS



LOG_SAMPLES_ YYYY MM DD
2024 04 03

_STATION- # # #
1 2 1 _S-LAB-DECKNET-5

OPERATOR(S) ANNA ODDONE

Depth	Volume filtered (Litres)
Z00	<input type="checkbox"/> 10 L
m	10 8.6 L
Z02	<input type="checkbox"/> 10 L
m	L

Depth	FM5-1* Falcon-15mL FRG +4°C	FM5-2* Falcon-15mL FRG +4°C	SG5-1* Cryo-5mL LN2	SG5-2* Cryo-5mL LN2
Z00				
m	### Z02 FM5-1	### Z02 FM5-2	### Z02 SG5-1	### Z02 SG5-2
Z02				
m				

NB = The filtration was stuck at 100ml (saturated), so both FMS and SGS were from a final 100ml volume (instead of 45ml)

*pre-aliquoted 5 mL PFA/GLUT
store at -20°C

* pre-aliquoted Glycine betaine
store at 4°C



LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _PPN2-PPN2exe
 OPERATOR(S) ANNA ODDONE

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz
Z00 m	1	07 : 40	07 : 45
Z00 m	2	07 : 40	07 : 47
Z00 m	3	07 : 40	07 : 49

Depth	Natural abundance – T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time – start	Filtration time – end
Z00 m	NAT-1		1300	10 : 25	11 : 15
Z00 m	NAT-2		1100	10 : 25	11 : 15
Z00 m	NAT-3		1050	10 : 25	11 : 15

24h (+/- 30min) later

Filtration < 40min

Depth	Incubated bottle	PPN2 Filter in alu -20°C	PPN2exe* Exetainer-12mL +4°C	Filtration volume (mL)	Filtration time – start	Filtration time – end
Z00 m	PPN2-1			2200	08 : 00	09 : 00
Z00 m	PPN2-2			1500	08 : 00	09 : 00
Z00 m	PPN2-3			1450	08 : 00	09 : 00
	BLANK		* +100 µL ZnCl			

YYYY	MM	DD	HH	MM	#	#	#	OPERATOR(S) INITIALS
2024	04	03	10	00	1	2	1	ANNA ODDONE

Water Collection		Number of dips: 13		Volume Collected (L) 0.650		
Protocol	Quantity, Container Storage	Replicate 1	Replicate 2	Replicate 3	Comments	
SML-FC	Cryotube (2ml) 1.5ml sample + 30 µl Glute 25% LN2 (-80°C)	FC-1	C-2		N 43.3695° / lots of E 3.6936° / salps in the water	
SML-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)	1	2		Bubbles	
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	1	2	3	200 mL	
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)	1	2	3	200 mL	

YYYY	MM	DD	HH	MM	#	#	#	OPERATOR(S) INITIALS

Water Collection		Number of dips:		Volume Collected (L)		
Protocol	Quantity, Container Storage	Replicate 1	Replicate 2	Replicate 3	Comments	
SML-FC	Cryotube (2ml) 1.5ml sample + 30 µl Glute 25% LN2 (-80°C)	### SML-FC-1	### SML-FC-2			
SML-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)	### SML-CP-1	### SML-CP-2	### SML-CP-3		
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	### SML-320-1	### SML-320-2	### SML-320-3		
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)	### SML-023-1	### SML-023-2	### SML-023-3		





LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _S-LAB-25-1

OPERATOR(S) Emmanuelle Martins

Depth	Turbidimeter (FNU)	PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)		
Z00	1. 3.71 2. 3.79 3. 3.99		150 mL	N° TE 110 Weight 37.015		
Z02	1. 2. 3.	TRIPPLICATES ONCE A MONTH FOR HP	HP Cryo-2mL LN2 #3	Filtration Volume (mL) Filtration Duration (minutes)		
Depth	PA Petridish FRZ -20°C	Filtration Volume (mL)	Z00 R01	500 mL	<input type="checkbox"/> 30 min. 08 min.	
Z00		500 mL	Z00 R02	500 mL	<input type="checkbox"/> 30 min. 08 min.	
			Z00 R03	500 mL	<input type="checkbox"/> 30 min. 08 min.	
			Z02 R01	###-Z02 HP	<input type="checkbox"/> 30 min. min.	
Depth	PM Petridish FRZ -20°C	Filtration Volume (mL)	N° filtre + weight (mg)	FOI Petridish FRZ -20°C	Filtration Volume (mL)	N° filtre + weight (mg)
Z00 R01		500 mL	N° TE 224 Weight 36.750		500 mL	N° TE 011 Weight 35.733
Z00 R02		500 mL	N° TE 272 Weight 37.556		500 mL	N° TE 348 Weight 38.097
Z00 R03		500 mL	N° TE 118 Weight 36.243		500 mL	N° TE 083 Weight 36.092



Depth Replicate		COMMENTS PM	COMMENTS FOI
Z00	R01 m		
Z00	R02 m		
Z00	R03 m		
Depth Replicate		COMMENTS PA - HP	
Z00	m		
Z02	m		



LOG-SAMPLES_ YYYY MM DD # # # _STATION- _S-LAB-NET-20

OPERATOR(S) Emmanuelle Maetins

		Net 20 µm		<input checked="" type="checkbox"/> Decknet <input type="checkbox"/> Deployed at sea		
SAMPLE SPLITTING	# of cod-ends	Total volume	Aliquots vol.			
	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2	<input checked="" type="checkbox"/> 1600 mL	<input type="checkbox"/> 200 mL			
PROTOCOLS	Barcode	Aliquot volume (mL)	Filtration time	Barcode	Aliquot volume (mL)	Filtration time
● S20 Cryo-5mL LN2 #1		<input type="checkbox"/> 200 mL (1/8) 150 mL	<input checked="" type="checkbox"/> 15 mn		<input type="checkbox"/> 200 mL (1/8) 150 mL	<input checked="" type="checkbox"/> 15 mn
FCAM20 Bottle-250mL LIVE		<input type="checkbox"/> 200 mL (1/8)				
E20 Falcon-15mL + 15mL ETOH FRZ -20°C		<input checked="" type="checkbox"/> 200 mL (1/8)				
S20-L Falcon-5mL FRZ -20°C + 5 mL NucleoProtect		<input checked="" type="checkbox"/> 200 mL (1/8) 200 mL				
MB20 Vial-4mL FRZ -20°C		<input checked="" type="checkbox"/> 200 mL (1/8)				
FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C		<input checked="" type="checkbox"/> 45 mL			<input checked="" type="checkbox"/> 45 mL	
HG-20 Falcon-15mL FRZ -20°C		500 mL				



	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
S20 Cryo-5mL LN2 #1		
FCAM20 Bottle-250mL LIVE		
E20 Falcon-15mL FRZ -20°C		
S20-L Falcon-5mL FRZ -20°C		
MB20 Vial-4mL FRZ -20°C		
FM20 Falcon-50mL FRG +4°C		



LOG-SAMPLES_ YYYY MM DD # # # _STATION- _S-LAB-NET-200

2024 04 03 1 2 1

OPERATOR(S) Emmawelle Martini

Horizontal
WP11-200

SAMPLE
SPLITTING

COD-END #1

PROTOCOLS

Barcode

Fraction of
total volume

Aliquot
Volume (mL)

F200
Bottle-250mL
+
borax/formol
RT >10°C



100%

250 mL

% 500 mL

SAMPLE
SPLITTING

COD-END #2

Total volume

1600 mL

PROTOCOLS

Barcode

Filtered
volume (mL)

Filtration time

Barcode

Filtered
volume (mL)

Filtration time

● S200
Cryo-5mL
LN2 #1



150 mL

15 min



150 mL

15 min

S200-L
Falcon-5mL
FRZ -20°C
+ 5mL Nucleo



150 mL

HG-200
Falcon-15mL
FRZ -20°C



1150 mL



	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
F200 Bottle-250mL RT >10°C		
SAMPLE SPLITTING		
PROTOCOLS		
S200 Cryo-5mL LN2 #1		
S200-L Falcon-5mL FRZ -20°C		



LOG-SAMPLES_ YYYY MM DD # # # _STATION- _S-LAB-NET-680

2024 04 03 1 2 1

OPERATOR(S) Emmanuelle Martins

Régent 680

SAMPLE SPLITTING	NET TOW n° 1		NET TOW n° 2			
	FLOWMETER 68 857	70 807	FLOWMETER 70 807	Total volume 73 057		
	<input checked="" type="checkbox"/> 1600 mL					
PROTOCOLS	Barcode	Fraction of total volume	Bottle volume (mL)	Barcode	Fraction of total volume	Aliquot Volume (mL)
F680 Bottle-250mL RT >10°C + Borax/Formol		<input checked="" type="checkbox"/> 100 %	<input checked="" type="checkbox"/> 250 mL			
		%	<input type="checkbox"/> 500 mL			
F2000 Bottle-250mL RT >10°C + borax/formol	### EPI F2000	hand-picked	<input type="checkbox"/> 250 mL			
		#ind=	<input type="checkbox"/> 500 mL			
S680-L Falcon-5mL FRZ -20°C + 5mL Nucleoprotect		<input checked="" type="checkbox"/> 100 %				500 mL
		%				
HG-680 Falcon-15mL FRZ -20°C						1100 mL

