



YYYY	MM	DD	#	#	#
LOG_SAMPLES_	2023	09	21	_STATION-	0 7 8 _W-LAB-142-1
OPERATOR(S)	Julie Poulaïn				

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	112498423	112498424	[] 20L [] 50L 15 L	[] 15' [] 60' 15 min.	112498425	[] 10L [] 20L 14 L
Z00 R02 m	112498426	112498427	[] 20L [] 50L 15 L	[] 15' [] 60' 15 min.	112498428	[] 10L [] 20L 15 L
Z02 R01 m	###-Z02 S320-1	###-Z02 S023	[] 20L [] 50L L	[] 15' [] 60' min.	###-Z02 S<02	[] 10L [] 20L L
Z02 R02 m	###-Z02 S320-2	###-Z02 S023-2	[] 20L [] 50L L	[] 15' [] 60' min.	###-Z02 S<02-2	[] 10L [] 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	112498429	112498430	[] 20L [] 50L 40 L	[] 15' [] 60' 60 min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2	
Z02 m	###-Z02 P320	###-Z02 P023	[] 20L [] 50L L	[] 15' [] 60' 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	112556991	112556992	[] 20L [] 50L 35 L	[] 15' [] 60' 60 min.		
Z02 m	###-Z02 S320-L	###-Z02 S023-L	[] 20L [] 50L L	[] 15' [] 60' min.		



Depth Replicate	COMMENTS S###
Z00 R01	
Z00 R02	<p>m New water counter installed before the pump. 617L vs 15L by visual estimation.</p> <p>m overestimation due to ship's rolling and peristaltic pump not enough strong.</p>
Z02 R01	
Z02 R02	
Depth	COMMENTS P###
Z00	
Z02	
Depth	COMMENTS S###L
Z00	
Z02	<p>m New water counter installed - 47L vs 35L by visual estimat° overestimation due to ship's rolling and peristaltic pump not enough strong</p>



YYYY MM DD # # #
 LOG_SAMPLES_ **2023 | 09 | 21** _STATION- **0 7 8** _DECK-BGC
 OPERATOR(S) **MH**

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	112557109	112557110	112557111		112556744	112556770
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	112557112	112557115	112557118			
Z00 R02 m	112557113	112557116	112557119			
Z00 R03 m	112557114	112557117	112557120			
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			



YYYY MM DD # # #
 LOG_SAMPLES_ **2023 09 21** _STATION- **0 7 8** _TARDIS-SCP
 OPERATOR(S) **MH**

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 m	112557103	[•] 1L [] 2L L	[] 60' [] 120' 3h min.	112557099	[•] 1L [] 2L L	[] 60' [] 120' 3h min.
Z00 m	112557104	[•] 1L [] 2L L	[] 60' [] 120' 3h min.	112557100	[•] 1L [] 2L L	[] 60' [] 120' 3h min.
Z00 m	112557105	[•] 1L [] 2L L	[] 60' [] 120' 3h min.	112557101	[•] 1L [] 2L L	[] 60' [] 120' 3h min.
Z00 m	112557106	[•] 1L [] 2L L	[] 60' [] 120' 3h min.	112557102	[•] 1L [] 2L L	[] 60' [] 120' 3h min.
Z02 m	###-Z02 PPL-1	[] 1L [] 2L L	[] 60' [] 120' min.	###-Z02 HLB-1	[] 1L [] 2L L	[] 60' [] 120' min.
Z02 m	###-Z02 PPL-2	[] 1L [] 2L L	[] 60' [] 120' min.	###-Z02 HLB-2	[] 1L [] 2L L	[] 60' [] 120' min.
Z02 m	###-Z02 PPL-3	[] 1L [] 2L L	[] 60' [] 120' min.	###-Z02 HLB-3	[] 1L [] 2L L	[] 60' [] 120' min.
Z02 m	###-Z02 PPL-4	[] 1L [] 2L L	[] 60' [] 120' min.	###-Z02 HLB-4	[] 1L [] 2L L	[] 60' [] 120' 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 m	112557107	[•] 16L L	[] 30 20 min.	112557108	[•] 16L L	[] 30 20 min.
Z02 m	###-Z02 MB320	[] 16L L	[] 30 min.	###-Z02 MB033	[] 16L L	[] 30 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	



YYYY MM DD # # #
 LOG_SAMPLES_ **2023** **09** **21** _STATION_ **078** _S-LAB-OTHER
 OPERATOR(S) **SC**

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	 112498503	 112498495	 112498491	 112498511	 112498513	 112498515
Z00 R02 m	 112498504	 112498496	 112498492	 112498512	 112498514	 112498516
Z00 R03 m	 112498505	 112498497	 112498493	Glycine-betaine pre aliquot at 4°C	PFA pre aliquot at -20°C	Glutaraldehyde pre aliquot at - 20°C
Z00 R04 m	 112498506	 112498498	Glycerol pre aliquot - RT			
Z00 R05 m	 112498507	 112498499				
Z00 R06 m	 112498508	 112498500				
Z00 R07 m	 112498509	 112498501				
Z00 R08 m	 112498510	 112498502				
Pre aliquot	No pre aliquot	Glycerol pre aliquot - RT				
Depth Replicate	eDNA Watera capsule RT	Filtration Volume (Litres)	Filtration Duration (minutes)	+ 50 mL of buffer	< 0.45 µm	
Z00 m	 112498517	[] 30L L	[] 30 28 min.		=> Collect filtrate for SS protocol onland : V<0.45	
Z02 m	###-Z02 eDNA	[] 30L L	[] 30 min.			



Depth Replicate	COMMENTS
Z00 R01	m
Z00 R02	m
Z00 R03	m
Z00 R04	m
Z00 R05	m
Z00 R06	m
Z00 R07	m
Z00 R08	m



YYYY	MM	DD	#	#	#
LOG_SAMPLES_	2023	09	21	_STATION-	078
OPERATOR(S)	SC				_S-LAB-DECKNET-5

Depth	DECKNET Volume (Litres)	Time start FILLING ##:##	Time end NET OUT ##:##	SG5-1* Cryo-5mL LN2	SG5-2* Cryo-5mL LN2
Z00 m	[] 100 L 90 L	07:33	08:35	 112498518 SG5-1	 112498519 SG5-2
Z02 m	[] 100 L L	:	:	### Z02 SG5-1	### Z02 SG5-2

Depth	FM5-1* Falcon-50mL FRG +4°C	FM5-2* Falcon-50mL FRG +4°C
Z00 m	 112498520	 112498521
Z02 m	### Z02 FM5-1	### Z02 FM5-2

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

* pre-aliquoted Glycine betaine
store at 4°C



Depth	COMMENTS	
	SG5	
Z00	R01	
	m	
Z00	R02	
	m	
Depth	COMMENTS	
	FM5	
Z00	R01	
	m	
Z00	R02	
	m	

	YYYY	MM	DD	HH	MM	# # #	OPERATOR(S) INITIALS
	2023	09	20			077	SML

Water Collection		Number of dips:	14	Volume Collected (L)		0,7	Comments
Protocol	Quantity, Container Storage	Replicate 1	Replicate 2	Replicate 3			
SML-FC	Cryotube (2ml) 1.5ml sample + 30 µl Glute 25% LN2 (-80°C)	112498574-1	112498575-2				Strong wind (30-40 m/s)
SML-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)	112498576-1	112498577-2	112498578-3			Heavy rain! No pre-filtration
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	112498579-1	112498580-2	112498581-3			} at 20 µm. 500 ml filtered.
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)	112498582-1	112498583-2	112498584-3			

YYYY	MM	DD	HH	MM	# # #	OPERATOR(S) INITIALS
2023	09	21			078	SML

Water Collection		Number of dips:	14	Volume Collected (L)			Comments
Protocol	Quantity, Container Storage	Replicate 1	Replicate 2	Replicate 3			
SML-FC	Cryotube (2ml) 1.5ml sample + 30 µl Glute 25% LN2 (-80°C)	112498593	112498594				Prefiltration
SML-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)	112498565	112498566	112498567			} at 20 µm.
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	112498568	112498569	112498570			
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)	112498571	112498572	112498573			} 500 ml filtered.





YYYY	MM	DD	#	#	#
LOG_SAMPLES_	2023	09	21	_STATION-	0 7 8 _S-LAB-25-1
OPERATOR(S)	Z.H.				

Depth	Turbidimeter (FNU)	PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)		
Z00 m	1. 0.83 2. 0.75 3. 0.55	###-Z00 PM-CTRL	mL	N°: Weight:		
Z02 m	1. 2. 3.	TRIPLECTES ONCE A MONTH FOR HP	HP Cryo-2mL LN2 #2	Filtration Volume (mL)	Filtration Duration (minutes)	
Depth	PA Petridish FRZ -20°C	Filtration Volume (mL)	Z00 R01 m	112498439	[] 30' [] 40' 6' max min	
Z00 m	 112557031	835 mL	Z00 R02 m	###-Z00 HP-2	[] 30' [] 40' max min	
Z02 m	###-Z02 PA	mL	Z00 R03 m	###-Z00 HP-3	[] 30' [] 40' max 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 m	 112557032	835 mL	N°: XX129 Weight: 36,899	 112557035	835 mL	N°: XX056 Weight: 37,000
Z00 R02 m	 112557033	835 mL	N°: XX014 Weight: 36,505	 112557036	835 mL	N°: XX121 Weight: 37,217
Z00 R03 m	 112557034	835 mL	N°: XX133 Weight: 37,690	 112557037	835 mL	N°: XX357 Weight: 36,787
Z02 R01 m	###-Z02 PM-1	mL	N°: Weight:	###-Z02 FOI-1	mL	N°: Weight:
Z02 R02 m	###-Z02 PM-2	mL	N°: Weight:	###-Z02 FOI-2	mL	N°: Weight:
Z02 R03 m	###-Z02 PM-3	mL	N°: Weight:	###-Z02 FOI-3	mL	N°: Weight:



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



YYYY	MM	DD	#	#	#
LOG-SAMPLES_	2023	09	21	_STATION-	0 7 8
OPERATOR(S)	Z.M.		_S-LAB-NET-20		

Net 20 μm

Decknet
 Deployed at sea

SAMPLE SPLITTING	# of cod-ends <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2	Total volume <input checked="" type="checkbox"/> 1600 mL	Aliquots vol. <input checked="" type="checkbox"/> 200 mL			
PROTOCOLS	Barcode	Fraction of total volume	Aliquot Volume (mL)	Barcode	Fraction of total volume	Aliquot Volume (mL)
S20 Cryo-5mL LN2 #1		<input checked="" type="checkbox"/> 1/8	<input checked="" type="checkbox"/> 200 mL <input type="checkbox"/> 15 mn		<input checked="" type="checkbox"/> 1/8	<input checked="" type="checkbox"/> 200 mL <input type="checkbox"/> 15 mn
FCAM20 Bottle-250mL LIVE		<input checked="" type="checkbox"/> 1/8	<input checked="" type="checkbox"/> 200 mL			
E20 Falcon-15mL + 15mL ETOH FRZ -20°C		<input checked="" type="checkbox"/> 1/8	<input checked="" type="checkbox"/> 200 mL			
S20-L Falcon-5mL FRZ -20°C + 5 mL NucleoProtect		<input checked="" type="checkbox"/> 1/8	<input checked="" type="checkbox"/> 200 mL <input type="checkbox"/> 15 mn			
MB20 Vial-4mL FRZ -20°C		<input checked="" type="checkbox"/> 1/8	<input checked="" type="checkbox"/> 200 mL			
FM20 Falcon-50mL FRG +4°C Pre aliquoted PFA+GLUTA store at -20°C		<input checked="" type="checkbox"/> 45 mL			<input checked="" type="checkbox"/> 45 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		



YYYY MM DD # # #
 LOG-SAMPLES_ 2023 09 21 _STATION- 0 7 8 _S-LAB-NET-200

OPERATOR(S) Z.M.

Horizontal
WPII-200

SAMPLE
SPLITTING

COD-END #1

PROTOCOLS

Barcode

Fraction of
total volume

Aliquot
Volume (mL)

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



112557054

1 (100%)

250 mL

SAMPLE
SPLITTING

COD-END #2

Total volume
 1600 mL

Aliquots vol.
 200 mL

PROTOCOLS

Barcode

Fraction of
total volume

Aliquot
Volume (mL)

Barcode

Fraction of
total volume

Aliquot
Volume (mL)

● S200
Cryo-5mL
LN2 #1



112498442

1/8

200 mL

50

15 mn



112498443

1/8

200 mL

50

15 mn

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



112557056

1/8

200 mL

50

15 mn



	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 2023	MM 09	DD 21	# 0	# 7	# 8	_STATION- _S-LAB-NET-680
OPERATOR(S)	Z.M.						

Régent 680

SAMPLE SPLITTING	NET TOW #1			NET TOW #2		
	Total volume [•] 1600 mL			Total volume [•] 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		[] 50 % [•] 100 %	[•] 250 mL			
F2000 Bottle-250mL RT >10°C + borax/formol	### EPI F2000	hand-picked #ind=	[] 250 mL			
S680-L Falcon-5mL FRZ -20°C + 5mL Nucleoprotect					[] 50 % [] 100 %	[] 60 mL [] 15 mn



	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
F680 Bottle-250mL RT >10°C		
F2000 Bottle-250mL RT >10°C		
S680-L Falcon-5mL FRZ -20°C		