





YYYY MM DD # # #  
 LOG\_SAMPLES\_ 2024 07 21 \_STATION- 1 8 0 \_MERCURY  
 OPERATOR(S) DC

Depth	p.MeHg Glass fiber filter FRZ -20°C	Filter code	Filtration Volume (mL)	Filtration time (min)	f.MeHg 125-mL PETG bottle FRG +4°C
Z00 m	###-Z00 p.MeHg				 115561872
Z02 m	###-Z02 p.MeHg				###-Z02 f.MeHg
Depth	p.THg Glass fiber filter FRZ -20°C	Filter code	Filtration Volume (mL)	Filtration time (min)	f.THg 40-mL glass bottle FRG +4°C
Z00 m	 112537834	# 304 130,03	5330	38	###-Z00 f.THg
Z02 m	###-Z02 p.THg				###-Z02 f.THg
Depth	uf.THg 40-mL glass bottle RT				
Z00 m	###-Z00 uf.THg				
Z02 m	###-Z02 uf.THg				



Depth	COMMENTS	
200  m		



YYYY MM DD # # #  
 LOG\_SAMPLES\_ 2024 07 21 \_STATION- 1 8 0 \_W-LAB-142-1  
 OPERATOR(S) Hugo BERTHELOT

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	112537812	112537813	<input type="checkbox"/> 20L <u>12,5</u> L	<input checked="" type="checkbox"/> 15 min. min.	112537814	<input type="checkbox"/> 20L <u>12,5</u> L
Z00 R02 m	112537815	112537816	<input type="checkbox"/> 20L <u>12,5</u> L	<input checked="" type="checkbox"/> 15 min. min.	112537817	<input type="checkbox"/> 20L <u>12,5</u> 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	112537818	112537819	<input type="checkbox"/> 50L <u>45</u> 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	115561867	115561868	<input type="checkbox"/> 50L <u>45</u> 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.		



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



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- \_DECK-BGC  
2024 07 21 1 8 0  
 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					
Z02 m				###-Z02 Dicta	###-Z02 SAL
	+ 150 µl HCl			+ 300 µl HgCl <sub>2</sub>	
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 R02 m					
Z02 R03 m					
	+ 150 µl HCl				



Depth	COMMENTS TOC	COMMENTS DICTA	COMMENTS SAL
Z00 m	<p>*One out of 2 MQ dispensers broken so we used MQ from water maker ⊕ 2nd MQ system → impact cleaning?</p>		
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) 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 R01		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. <i>140 min</i>		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. <i>140 min</i>
m		L	min.		L	min.
Z00 R02		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. <i>140 min</i>		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. <i>140 min</i>
m		L	min.		L	min.
Z00 R03		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. <i>140 min</i>		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. <i>140 min</i>
m		L	min.		L	min.
Z00 R04		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. <i>140 min</i>		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. <i>140 min</i>
m		L	min.		L	min.
Z02 R01		<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.		<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.
m		L	min.		L	min.
Z02 R02		<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.		<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.
m		L	min.		L	min.
Z02 R03		<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.		<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.
m		L	min.		L	min.
Z02 R04		<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.		<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		<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min.		<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min.
m		L	min.		L	min.



Depth		COMMENTS
Z00	R01 m	* One out of 2 MQ dispenser broken so we used MQ from water maker ⊕ 2nd MQ system → impact cleaning + blanks ⚠
Z00	R02 m	* ⚠ Very high temperatures today
Z00	R03 m	* ⊕ Old blue support for tripods (only protocol MB320) → could induce some contaminations?
Z00	R04 m	* ⊕ Broke a little the filter in the middle, <del>also</del>
Z02	R01 m	* ( ⊕ During cleaning : some gaz from the motor come out. Could impact the quality of the cleaning? (doesn't affect the samples) )
Z02	R02 m	*
Z02	R03 m	*
Z02	R04 m	*





LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_S-LAB-OTHER

2024 07 21 1 80

OPERATOR(S) THOMAS HAÏZE

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 <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>
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 type="checkbox"/> 30 min. 22 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 <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>
COMMENTS							



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_S-LAB-DECKNET-5

OPERATOR(S) **THOMAS HAIZE**

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

Depth	FM5-1* Falcon-15mL FRG +4°C	FM5-2* Falcon-15mL FRG +4°C	<input checked="" type="checkbox"/> SG5-1* Cryo-5mL LN2	<input checked="" type="checkbox"/> SG5-2* Cryo-5mL LN2
Z00				
m				
Z02	### Z02 FM5-1	### Z02 FM5-2	### Z02 SG5-1	### Z02 SG5-2
m				

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

\* pre-aliquoted Glycine betaine  
store at 4°C



Depth		COMMENTS SG5
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Z00 R01  
m












Z00 R02  
m

Depth		COMMENTS FM5
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Z00 R01  
m

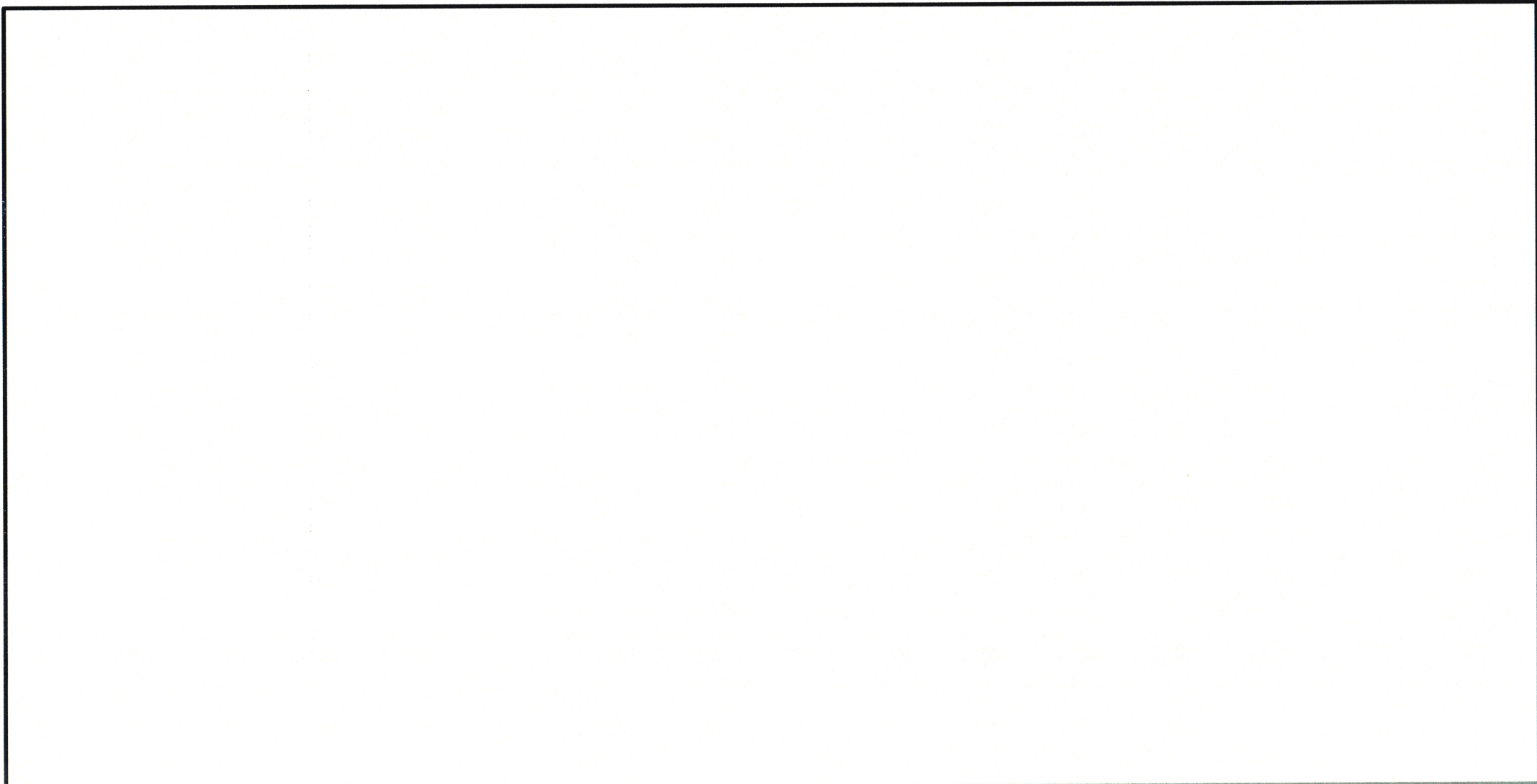
Z00 R02  
m

	YYYY	MM	DD	HH	MM	#	#	#	OPERATOR(S) INITIALS
	2024	07	21	08	34	_STATION- 180 _SML			THOMASHAIZE

Water Collection		Number of dips:	Volume Collected (L)		
		12	0.800		
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)	 112537403 1	 112537404 2		
SML-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)	 112537405 1	 112537406 2	 112537407 3	
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	 112537408 1	 112537409 2	 112537410 3	
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)	 112537411 3-1	 112537412 3-2	 112537413 3-3	

YYYY	MM	DD	HH	MM	#	#	#	OPERATOR(S) INITIALS
					_STATION- [ ] _SML			[ ]

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- \_PPN2-PPN2exe  
2024 07 21 1 8 0  
 OPERATOR(S) THOMAS HAIZE

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz			
Z00 m	1	06 : 37	06 : 41			
Z00 m	2	06 : 37	06 : 41			
Z00 m	3	06 : 38	06 : 42			

Depth	Natural abundance - T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time - start	Filtration time - end	
Z00 m	NAT-1		2270	08 : 13	08 : 25	
Z00 m	NAT-2		2270	08 : 13	08 : 25	
Z00 m	NAT-3		2270	08 : 13	08 : 25	

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			2270	10 : 00	10 : 25
Z00 m	PPN2-2			2270	10 : 00	10 : 26
Z00 m	PPN2-3			2270	10 : 00	10 : 26
	BLANK		* +100 µL ZnCl			







LOG\_SAMPLES\_ YYYY MM DD # # # #  
 2024 07 21 \_STATION- 1 8 0 \_S-LAB-25-1  
 OPERATOR(S) Z.M

Depth	Turbidimeter (FNU)	PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtrés + weight (mg)		
Z00 m	1. 0.37 2. 0.27 3. 0.29	###-Z00 PM-CTRL	mL	N° Weight		
Z02 m	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 m	<input type="checkbox"/> 30 min. min.		
Z00 m	112576221	2270 mL	Z00 R02 m	<input type="checkbox"/> 30 min min.		
			Z00 R03 m	<input type="checkbox"/> 30 min min.		
			Z02 R01 m	<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 m	112576225	2270 mL	N° T23.224 Weight 35,624	112576228	mL	N° F60 Weight 36,570
Z00 R02 m	112576226	mL	N° F71 Weight 36,064	112576229	mL	N° F68 Weight 36,683
Z00 R03 m	112576227	mL	N° T23.234 Weight 35,829	112576230	mL	N° T23.200 Weight 36,640



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  
 2024 07 21  
 OPERATOR(S) ZM

\_STATION- # # #  
 J 8 0 \_S-LAB-NET-20

		Net 20 µm		<input checked="" type="checkbox"/> Decknet <input type="checkbox"/> Deployed at sea		
SAMPLE SPLITTING	# of cod-ends <input type="checkbox"/> 1 <input type="checkbox"/> 2	Total volume <input type="checkbox"/> 1600 mL	Aliquots vol. <input type="checkbox"/> 200 mL			
PROTOCOLS	Barcode	Aliquot volume (mL)	Filtration time	Barcode	Aliquot volume (mL)	Filtration time
<input checked="" type="radio"/> S20 Cryo-5mL LN2 #1		<input type="checkbox"/> 200 mL (1/8) <i>150</i> mL	<input type="checkbox"/> 15 mn		<input type="checkbox"/> 200 mL (1/8) <i>100</i> mL	<input 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 type="checkbox"/> 200 mL (1/8) <i>100</i> 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		<i>450</i>				



	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\_    \_STATION-    \_S-LAB-NET-200

OPERATOR(S)

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		<input checked="" type="checkbox"/> 100%	<input checked="" type="checkbox"/> 250 mL			
		<input type="checkbox"/> %	<input type="checkbox"/> 500 mL			
SAMPLE SPLITTING	COD-END #2	Total volume				
		<input checked="" type="checkbox"/> 1600 mL				
PROTOCOLS	Barcode	Filtered volume (mL)	Filtration time	Barcode	Filtered volume (mL)	Filtration time
<input checked="" type="checkbox"/> S200 Cryo-5mL LN2 #1		20	<input type="checkbox"/> 15 min		20	<input type="checkbox"/> 15 min
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo		20				
HG-200 Falcon-15mL FRZ -20°C		1540				



	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 # # #  
 2024 07 21 \_STATION- 1 8 0 \_S-LAB-NET-680  
 OPERATOR(S) ZH

Régent 680

SAMPLE SPLITTING	NET TOW n°		NET TOW n°		FLOWMETER	
	Flowmeter	Flowmeter	Flowmeter	Flowmeter	Total volume	Total volume
	97860	00657	91650	97860	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 type="checkbox"/> 100 %	10 mL
					%	
HG-680 Falcon-15mL FRZ -20°C						1590 <sup>300</sup>

	S680-L CTRL 1	20 mL	NET TOW N° 3 <input checked="" type="checkbox"/> 1600 mL
	S680-L CTRL 2	20 mL	
	S680 CTRL 1	20 mL	
	S680 CTRL 2	20 mL	



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