Fondation tara océan explore and share — LOG-SAMPLES_W-LAB-142-1 — tara EUROPA — C1

LOG_SAMPLES_ YYYY 2023 MM 07 DD 05 _STATION- # 0 # 5 # 9 _W-LAB-142-1

OPERATOR(S): OB

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	112495464	112495465	[ ] 20L [ ] 50L 8 L	[ ] 15' [ ] 60' 14 min.	112495466	[ ] 10L [ ] 20L 7 L
Z00 R02 m	112495467	112495468	[ ] 20L [ ] 50L 8 L	[ ] 15' [ ] 60' 14 min.	112495469	[ ] 10L [ ] 20L 7 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	112495470	112495471	[ ] 20L [ ] 50L 15 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	112495472	112495473	[ ] 20L [ ] 50L 12L + 13 L	[ ] 15' [ ] 60 30 + 10 20 min. } 60 min
Z02 m	###-Z02 S320-L	###-Z02 S023-L	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60 min.

Depth Replicate	COMMENTS S###
Z00 R01 m	13 min filtration + 3/4 min purge
Z00 R02 m	13 min filtration + 3/4 min purge.
Z02 R01 m	
Z02 R02 m	

Depth	COMMENTS P###
Z00 m	no volume meter for filtration I just look at mark on the carboy — ⚠ Pb with the pump.
Z02 m	

Depth	COMMENTS S###L
Z00 m	30 min first filtration + 10 to collect and change filters
Z02 m	

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LOG-SAMPLES_DECK-BGC

tara EUROPA

D1/B1

LOG_SAMPLES_ YYYY: 2023 MM: 08 DD: 05 _STATION- #: 059 _DECK-BGC

OPERATOR(S): T.S.

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	112558978	112558979	112558980		112558291	###-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	112558969	112558975	112558972
Z00 R02 m	112558970	112558976	112558973
Z00 R03 m	112558971	112558977	112558974
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			

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LOG-SAMPLES_TARDIS-SCP

tara EUROPA

D2

LOG_SAMPLES_ YYYY: 2023 MM: 08 DD: 05 _STATION- #: 059 _TARDIS-SCP

OPERATOR(S): T.S.

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 m	112558985	[ ] 1L [ ] 2L 1.9 L	[ ] 60' [ ] 120' ~150 min.	112558981	[ ] 1L [ ] 2L 1.9 L	[ ] 60' [ ] 120' ~150 min.
Z00	R02 m	112558986	[ ] 1L [ ] 2L 1.9 L	[ ] 60' [ ] 120' ~150 min.	112558982	[ ] 1L [ ] 2L 1.9 L	[ ] 60' [ ] 120' ~150 min.
Z00	R03 m	112558987	[ ] 1L [ ] 2L 1.7 L	[ ] 60' [ ] 120' ~150 min.	112558983	[ ] 1L [ ] 2L 1.8 L	[ ] 60' [ ] 120' ~150 min.
Z00	R04 m	112558988 pH2	[ ] 1L [•] 2L L	[ ] 60' [ ] 120' ~150 min.	112558984	[ ] 1L [•] 2L L	[ ] 60' [ ] 120' ~150 min.
Z02	R01 m	###-Z02 PPL-1	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-1	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z02	R02 m	###-Z02 PPL-2	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-2	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z02	R03 m	###-Z02 PPL-3	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-3	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z02	R04 m	###-Z02 PPL-MQW-pH2	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-MQW	[ ] 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	112559000	[ ] 16L 20 L	[ ] 30 min.	112559001	[ ] 16L 20 L	[ ] 30 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	
		-The extraction had to be aborted due to heavy waves / safety concerns -By accident, a somewhat dissolvable marker has been used. But I dont think that the resin is (much) contaminated

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LOG-SAMPLES_S-LAB-OTHER

tara EUROPA

E1

LOG_SAMPLES_ YYYY 2023 MM 08 DD 05 _STATION- # 0 # 5 # 9 _S-LAB-OTHER

OPERATOR(S) E. Boss

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	112495437	112495445	112495453	112495456	112495458	112495460
Z00	R02 m	112495438	112495446	112495454	112495457	112495459	112495461
Z00	R03 m	112495439	112495447	112495455	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C
Z00	R04 m	112495440	112495448	Glycerol prealiquot - RT			
Z00	R05 m	112495441	112495449		**DGAS* 12 mL exetainer +4°C**	**DGAS* 12 mL exetainer +4°C**	**DGAS* 12 mL exetainer +4°C**
Z00	R06 m	112495442	112495450		###-Z00 DGAS-1	###-Z00 DGAS-4	###-Z00 DGAS-7
Z00	R07 m	112495443	112495451		###-Z00 DGAS-2	###-Z00 DGAS-5	###-Z00 DGAS-8
Z00	R08 m	112495444	112495452		###-Z00 DGAS-3	###-Z00 DGAS-6	###-Z00 DGAS-9
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	112558968	[ ] 30L TS-20 L	[ ] 30 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	

Fondation tara océan explore and share

LOG-SAMPLES_S-LAB-DECKNET-5

tara EUROPA

E2

LOG_SAMPLES_ YYYY: 2023 MM: 08 DD: 05 _STATION- #: 059 _S-LAB-DECKNET-5

OPERATOR(S): E. Boss

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 40 L	07 : 10	07 : 36	112495462	112495463
Z02 m	[ ] 100 L L	:	:	### Z02 SG5-1	### Z02 SG5-2
				* Glycine-betaine pre-aliquot at 4°C	

Depth	FM5-1* Falcon-50mL FRG +4°C	FM5-2* Falcon-50mL FRG +4°C
Z00 m	112558965	112558966
Z02 m	### Z02 FM5-1	### Z02 FM5-2
	*pre-aliquoted 5 mL PFA/GLUT stored at -20°C	

Depth	COMMENTS SG5
Z00 R01 m	
Z00 R02 m	

Depth	COMMENTS FM5
Z00 R01 m	
Z00 R02 m	

Fondation tara océan explore and share

LOG-SAMPLES_S-LAB-25

tara EUROPA

F1

LOG_SAMPLES_ YYYY: 2023 MM: 08 DD: 05 _STATION- #: 059 _S-LAB-25-1

OPERATOR(S): Clara

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)	
Z00 m	1. 0.63 2. 0.64 3. 0.60		112558989	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [●] 1080 [ ] 2270	N°: TR152 Weight: 37,805	
Z02 m	1. 2. 3.		TRIPLICATES 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	112495476	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [●] 1080 [ ] 2270	[ ] 30' [ ] 40' max 13 min
Z00 m	112559002	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [●] 1080 [ ] 2270	Z00 R02 m	###-Z00 HP-2	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [ ] 1080 [ ] 2270	[ ] 30' [ ] 40' max min
Z02 m	###-Z02 PA	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [ ] 1080 [ ] 2270	Z00 R03 m	###-Z00 HP-3	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [ ] 1080 [ ] 2270	[ ] 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	112558990	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [●] 1080 [ ] 2270	N°: TR42 Weight: 37,393	112558993	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [●] 1080 [ ] 2270	N°: TR12 Weight: 37,055
Z00 R02 m	112558991	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [●] 1080 [ ] 2270	N°: TR140 Weight: 37,405	112559008	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [●] 1080 [ ] 2270	N°: XX313 Weight: 37,461
Z00 R03 m	112558992	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [●] 1080 [ ] 2270	N°: TR44 Weight: 36,922	112558995	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [●] 1080 [ ] 2270	N°: TR244 Weight: 36,843
Z02 R01 m	###-Z02 PM-1	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:	###-Z02 FOI-1	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:
Z02 R02 m	###-Z02 PM-2	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:	###-Z02 FOI-2	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:
Z02 R03 m	###-Z02 PM-3	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:	###-Z02 FOI-3	[ ] 65 [ ] 135 [ ] 270 [ ] 635 [ ] 1080 [ ] 2270	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	

Fondation tara océan explore and share

LOG-SAMPLES_S-LAB-NET-20

tara EUROPA

F2

LOG-SAMPLES_ YYYY: 2023 MM: 08 DD: 05 _STATION- #: 059 _S-LAB-NET-20

OPERATOR(S): Clara

	Net 20 µm			[●] Decknet [ ] Deployed at sea		
SAMPLE SPLITTING	**# of cod-ends** [●] 1 [ ] 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)**
● **S20 Cryo-5mL LN2 #1**	112495477	[ ] 1/8	[ ] 200 mL 110 mL [X] 15 mn	112495478	[ ] 1/8	[ ] 200 mL 115mL [X] 15 mn
FCAM20 Bottle-250mL LIVE	112558964	[ ] 1/8	[ ] 200 mL			
E20 Falcon-15mL + 15mL ETOH FRZ -20°C	112558996	[ ] 1/8	[ ] 200 mL 210mL			
S20-L Falcon-5mL FRZ -20°C + 5 mL NucleoProtect	112558997	[ ] 1/8	[ ] 200 mL 160mL [ ] 15 mn 50min			
MB20 Vial-4mL FRZ -20°C	112559003	[ ] 1/8	[ ] 200 mL 210mL			
FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C	112559006	[X] 45 mL		112559007	[X] 45 mL	

	COMMENTS	COMMENTS
SAMPLE SPLITTING	Most samples had ~210mL rather than 200mL. I probably put a bit more than 1'600mL in the bottle.	
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		

Fondation tara océan explore and share

LOG-SAMPLES_S-LAB-NET-200

tara EUROPA

F3

LOG-SAMPLES_ YYYY: 2023 MM: 08 DD: 05 _STATION- #: 059 _S-LAB-NET-200

OPERATOR(S): Clara

Horizontal
WPII-200

SAMPLE SPLITTING	**COD-END #1**					
PROTOCOLS	**Barcode**		**Aliquot Volume (mL)**			
F200 Bottle-250mL + borax/formol RT >10°C	112559004		~~[ ] 250 mL~~ 500 mL			
SAMPLE SPLITTING	**COD-END #2**	**Total volume** [X] 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	112495479	[ ] 1/8	[ ] 200 mL 125 [X] 15 mn	112495480	[ ] 1/8	[ ] 200 mL 110 mL [X] 15 mn
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo	112558998	[ ] 1/8	[ ] 200 mL 70mL [ ] 15 mn			

	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
F200 Bottle-250mL RT >10°C		
SAMPLE SPLITTING		
PROTOCOLS		
S200 Cryo-5mL LN2 #1		big jellyfish was removed from the collector and rinsed before to come back to the sea.
S200-L Falcon-5mL FRZ -20°C	Did not filter more because for the S200 above was hard to fold the filter properly because too much biomass	

Fondation tara océan explore and share

LOG-SAMPLES_S-LAB-NET-680

tara EUROPA

F4

LOG-SAMPLES_ YYYY: 2023 MM: 08 DD: 05 _STATION- #: 059 _S-LAB-NET-680

OPERATOR(S): Clara

	Régent 680					
SAMPLE SPLITTING	**NET TOW #1** Total volume [↘] 1600 mL			**~~NET TOW #2~~** Total volume [ ] 1600 mL		
PROTOCOLS	**Barcode**		**Bottle volume (mL)**	**Barcode**	**Fraction of total volume**	**Aliquot Volume (mL)**
F680 Bottle-250mL RT >10°C + Borax/Formol	112559005		[•] 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				112558999		[ ] 200 mL [ ] 400 mL [ ] 600 mL [ ] 800 mL 65mL [ ] 15 mn

	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
F680 Bottle-250mL RT >10°C	Too many organisms so we keep 1/3 of the sample and throw the rest of the sample	
F2000 Bottle-250mL RT >10°C		
S680-L Falcon-5mL FRZ -20°C		

2nd Regent broke because of jellyfish
→ took from the first net what was washed of the jellyfish
not quantitative