Fondation tara océan explore and share — LOG-SAMPLES_S-LAB-NET-680 — tara EUROPA — B2

LOG-SAMPLES_ YYYY: 2023 MM: 04 DD: 19 _STATION- #: 0 1 1 _S-LAB-NET-680

OPERATOR(S): EL + DC

Régent 680

SAMPLE SPLITTING	NET TOW #1 Total volume [ ] 1600 mL			NET TOW #2 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	112559987	[ ] 50 % [ ] 100 %	[ ] 250 mL ! NOT Quantitative			
F2000 Bottle-250mL RT >10°C + borax/formol	### EPI F2000	hand-picked #ind=	[ ] 250 mL			
S680-L Falcon-5mL FRZ -20°C + 5mL Nucleoprotect		No time for a 2nd Net + Régent Destroyed		112559986	[ ] 50 % [ ] 100 %	[ ] 200 mL [ ] 400 mL [ ] 600 mL [ ] 800 mL [ ] 15 mn

The net is completely destroyed so the data is not quantitative.

Fondation tara océan explore and share

LOG-SAMPLES_ZODIAC-ALIENS

tara EUROPA

B3

LOG_SAMPLES_ YYYY: 2023 MM: 04 DD: 19 _STATION- #: 011 _ZODIAC-ALIENS

OPERATOR(S): DC ; MG

Aliens In port	Aliens Watera capsule RT	Filtration Volume (Litres)	Filtration Duration (minutes)	BLANK (every 3 sites) 2L of purewater
Aliens In port-1	112559976	[ ] 30L [•] 17 L	[•] 30 30 min.	[redacted] 112559985
Aliens In port-2	112559977	[ ] 30L [•] 23 L	[•] 30 30 min.	
Aliens In port-3	112559978	[ ] 30L [•] 21 L	[•] 30 30 min.	
Aliens entrance	**Aliens Watera capsule RT**	**Filtration Volume (Litres)**	**Filtration Duration (minutes)**	
Aliens Entrance-1	112559979	[ ] 30L [•] 19 L	[•] 30 30 min.	
Aliens Entrance-2	112559980	[ ] 30L [•] 18 L	[•] 30 min.	
Aliens Entrance-3	112559981	[ ] 30L [•] 13 L	[•] 30 30 min.	
Aliens Open water	**Aliens Watera capsule RT**	**Filtration Volume (Litres)**	**Filtration Duration (minutes)**	
Aliens openW-1	112559982	[ ] 30L L	[ ] 30 min.	
Aliens openW-2	112559983	[ ] 30L [•] 23 L	[•] 30 30 min.	
Aliens openW-3	112559984	[ ] 30L [•] 17 L	[•] 30 30 min.	

Add 50 mL of buffer for every samples (except for the blank)

Aliens In port	**COMMENTS**
Aliens In port-1	
Aliens In port-2	
Aliens In port-3	
Aliens entrance	
Aliens Entrance-1	
Aliens Entrance-2	
Aliens Entrance-3	
Aliens Open water	
Aliens openW-1	
Aliens openW-2	
Aliens openW-3	

Fondation tara océan explore and share

LOG-SAMPLES_W-LAB-142-1

tara EUROPA

C1

LOG_SAMPLES_ YYYY: 2023 MM: 04 DD: 19 _STATION- # # #: 0 1 1 _W-LAB-142-1

OPERATOR(S): Julie Poulain

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	112493513	112493514	[ ] 20L [ ] 50L 3 L	[ ] 15' [ ] 60' 15 min.	112493515	[ ] 10L [ ] 20L 3 L
Z00 R02 m	112493516	112493517	[ ] 20L [ ] 50L 3 L	[ ] 15' [ ] 60' 15 min.	112493518	[ ] 10L [ ] 20L 3 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	112493519	112493520	[ ] 20L [ ] 50L 3 L	[ ] 15' [ ] 60' 15 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	112559843	112559844	[ ] 20L [ ] 50L 2/3 5 L	[ ] 15' [ ] 60 15/15 30 min.
Z02 m	###-Z02 S320-L	###-Z02 S023-L	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60 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	0,2 à 3µm filters changed after 2 L because clogging 2 filters per tube
Z02 m	

Fondation tara océan explore and share

LOG-SAMPLES_W-LAB-EDNA

tara EUROPA

C2

LOG_SAMPLES_ YYYY: 2023 MM: 04 DD: 19 _STATION- #: 011 _W-LAB-EDNA

OPERATOR(S): ERWAN LEDEAY

Depth Replicate	eDNA Watera capsule RT	Filtration Volume (Litres)	Filtration Duration (minutes)		< 0.45 µm
Z00 m	###Z00 112559854	[ ] 30L 10	[ ] 30 60	min.	=> Collect filtrate for SS protocol onland : V<0.45
Z02 m	###Z02 eDNA	[ ] 30L L	[ ] 30	min.	
	+ 50 mL of buffer				

Depth Replicate	COMMENTS eDNA
Z00 m	
Z02 m	

Fondation tara océan explore and share

LOG-SAMPLES_DECK-BGC

tara EUROPA

D1/B1

YYYY MM DD # # #

LOG_SAMPLES_ 2023 04 19 _STATION- 0 1 1 _DECK-BGC

OPERATOR(S) JUF

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		112560007	112560008	112560009		112560029	###-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 m	R01	112560010	112560013	112560016
Z00 m	R02	112560011	112560014	112560017
Z00 m	R03	112560012	112560015	112560018
Z02 m	R01	###-Z02 DOM-1	###-Z02 DOC-1	###-Z02 NUT-1
Z02 m	R02	##-Z02 DOM-2	###-Z02 DOC-2	###-Z02 NUT-2
Z02 m	R03	##-Z02 DOM-3	###-Z02 DOC-3	###-Z02 NUT-3
			+ 150 µl HCl	

Depth	COMMENTS TOC	COMMENTS DICTA	COMMENTS SAL
Z00 m	[illegible]		
Z02 m			

Depth Replicate	COMMENTS CDOM/FDOM	COMMENTS DOC	COMMENTS NUT
Z00 R01 m	Used 4 liners to do these Samples.	Someone was smoking on deck so samples might be contaminated. ⚠	
Z00 R02 m			
Z00 R03 m			
Z02 R01 m			
Z02 R02 m			
Z02 R03 m			

Fondation tara océan explore and share

LOG-SAMPLES_W-LAB-142-2

tara EUROPA

D3

LOG_SAMPLES_ YYYY: 2023 MM: 04 DD: 19 _STATION- #: 011 _W-LAB-142-2

OPERATOR(S): JdT

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 R1 m	112560027	[ ] 16L 8 L	[ ] 30 min.	112560028	[ ] 16L 8 L	[ ] 30 min.
~~Z02~~ R2 m	112560209	[ ] 16L 8 L	[ ] 30 min.	112560210	[ ] 16L 8 L	[ ] 30 min.

Depth Replicate	COMMENTS MB320	COMMENTS MB033
Z00 m	water too charged so to filter 1 L in 2 x 8 L.	Tris decided
Z02 m		

Fondation tara océan explore and share

LOG-SAMPLES_TARDIS-SCP

tara EUROPA

D2

LOG_SAMPLES_ YYYY: 2023 MM: 04 DD: 19 _STATION- #: 0 1 1 _TARDIS-SCP

OPERATOR(S): JUF

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	112560019	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	112560023	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z00	R02 m	112560020	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	112560024	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z00	R03 m	112560021	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	112560025	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z00	R04 m	112560022	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	112560026	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' 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-4	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-4	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.

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

Fondation tara océan explore and share

LOG-SAMPLES_S-LAB-OTHER

tara EUROPA

E1

YYYY MM DD # # #

LOG_SAMPLES_ 2023 04 19 _STATION- 0 1 1 _S-LAB-OTHER

OPERATOR(S) ERWAN LEDEAY

Depth Replicates		SG Cryo-5mL LN2 #1	HC Cryo-5mL LN2 #1	HC-G Cryo-5mL LN2 #1	CP-G Cryo-5mL LN2 #1	FC-P Cryo-2mL LN2 #3	FC-G Cryo-2mL LN2 #3
Z00	R01 m	112493506	112493494	112493486	112493537	112493484	112493502
Z00	R02 m	112493507	112493495	112493487	112493538	112493485	112493503
Z00	R03 m		112493496	112493488	112493539		
Z00	R04 m		112493497	112493489			
Z00	R05 m		112493498	112493490			
Z00	R06 m		112493499	112493491			
Z00	R07 m		112493500	112493492			
Z00	R08 m		112493501	112493493			
Prealiquot		Glycine-betaine prealiquot at 4°C	No prealiquot	Glycerol prealiquot - RT	Glycerol prealiquot - RT	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C

Fondation tara océan explore and share

LOG-SAMPLES_S-LAB-DECKNET-5

tara EUROPA

E2

LOG_SAMPLES_ YYYY 2023 MM 04 DD 13 _STATION- # 0 # 1 # 1 _S-LAB-DECKNET-5

OPERATOR(S) Erwan LÉGEAY

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	09 : 00	09 : 30	112493540	112493541
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	112559852	112559853
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

Fondation tara océan explore and share

LOG-SAMPLES_S-LAB-25-1

tara EUROPA

F1

LOG_SAMPLES_ YYYY 2023 MM 04 DD 19 _STATION- # 0 # 1 # 1 _S-LAB-25-1

OPERATOR(S) DC

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)	
Z00 m	1. 9,78 2. 10,50 3. 10,10		###-Z00 PM-CTRL	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:	
Z02 m	1. 2. 3.		###-Z02 PM-CTRL	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:	

Depth	PA Petridish FRZ -20°C	Filtration Volume (mL)				
Z00 m	112559871	~~[ ] 150*~~ [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	~~150-135 ml~~ 65mL 3mn			
Z02 m	###-Z02 PA	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270				

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	112559872	~~[ ] 150*~~ [ ] 250* [ ] 635 [ ] 1080 [ ] 2270 65mL	N°: TR70 Weight: 37,381 3mn	112559876	~~[ ] 150*~~ [ ] 250* [ ] 635 [ ] 1080 [ ] 2270 65mL	N°: PA658 Weight: 37,721 3mn
Z00	R02 m	112559873	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270 65mL	N°: PA688 Weight: 37,435	112559877	~~[ ] 150*~~ [ ] 250* [ ] 635 [ ] 1080 [ ] 2270 65mL	N°: TR87 Weight: 37,645 3mn
Z00	R03 m	112559875	~~[ ] 150*~~ [ ] 250* [ ] 635 [ ] 1080 [ ] 2270 65mL	N°: TA525 Weight: 38,283 3mn	112559878	~~[ ] 150*~~ [ ] 250* [ ] 635 [ ] 1080 [ ] 2270 65mL	N°: PA678 Weight: 36,135 3mn
Z02	R01 m	###-Z02 PM-1	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:	###-Z02 FOI-1	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:
Z02	R02 m	###-Z02 PM-2	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:	###-Z02 FOI-2	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:
Z02	R03 m	###-Z02 PM-3	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:	###-Z02 FOI-3	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	N°: Weight:

Depth Replicate	COMMENTS PM	COMMENTS FOI
Z00 R01 m		
Z00 R02 m		
Z00 R03 m		
Z02 R01 m	I tried to filter 135 mL but it got clogged with the Milli Q rinse. So did 65 mL and the filters are well closed.	
Z02 R02 m		
Z02 R03 m		

Depth Replicate	COMMENTS PA
Z00 m	
Z02 m	

Fondation tara océan explore and share

LOG-SAMPLES_S-LAB-25-2

tara EUROPA

F2

LOG_SAMPLES_ YYYY: 2023 MM: 04 DD: 19 _STATION- # # #: 0 1 1 _S-LAB-25-2

OPERATOR(S): DC

Depth	HP Cryo-2mL LN2 #2	Filtration Volume (mL)	Filtration Duration (minutes)
Z00 R01 m	112493542	135mL ~~[ ] 150*~~ [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	[ ] 30' [ ] 40' max 20 min
Z00 R02 m	###-Z00 HP-2	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	[ ] 30' [ ] 40' max min
Z00 R03 m	###-Z00 HP-3	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	[ ] 30' [ ] 40' max min
Z02 R01 m	###-Z02 HP-1	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	[ ] 30' [ ] 40' max min
Z02 R02 m	###-Z02 HP-2	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	[ ] 30' [ ] 40' max min
Z02 R03 m	###-Z02 HP-3	[ ] 150* [ ] 250* [ ] 635 [ ] 1080 [ ] 2270	[ ] 30' [ ] 40' max min

TRIPLICATES ONCE A MONTH

Depth Replicate		COMMENTS HP
Z00	R01 m	
Z00	R02 m	
Z00	R03 m	
Z02	R01 m	
Z02	R02 m	
Z02	R03 m	

Fondation tara océan explore and share

LOG-SAMPLES_S-LAB-NET-20

tara EUROPA

F3

LOG-SAMPLES_ YYYY: 2023 MM: 04 DD: 19 _STATION- # # #: 0 1 1 _S-LAB-NET-20

OPERATOR(S): DC + NG

	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**	112493543	[ ] 1/8	~~[ ] 200 mL~~ 50mL ● 15 mn	112493544	[ ] 1/8	~~[ ] 200 mL~~ 50mL ● 15 mn
FCAM20 Bottle-250mL LIVE	112559879	[ ] 1/8	[ ] 200 mL			
E20 Falcon-15mL + 15mL ETOH FRZ -20°C	112559880	● 1/8	● 200 mL			
S20-L Falcon-5mL FRZ -20°C + 5 mL NucleoProtect	112559881	[ ] 1/8	[ ] 200 mL 50mL ● 15 mn			
MB20 Vial-4mL FRZ -20°C	112559882	[ ] 1/8	[ ] 200 mL 50mL			
FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C	112559883	● 45 mL		112559884	● 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		

Fondation tara océan explore and share — LOG-SAMPLES_S-LAB-NET-200 — tara EUROPA — F4

LOG-SAMPLES_ YYYY: 2023 MM: 04 DD: 19 _STATION- #: 0 1 1 _S-LAB-NET-200

OPERATOR(S): EL + DC

	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	112559885	~~[ ] 1 (100%)~~	[ ] 250 mL 1500mL ← from the omics Cod-end (left-over)			
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	112493545	[ ] 1/8	[ ] 200 mL [ ] 15 mn	112493546	[ ] 1/8	[ ] 200 mL [ ] 15 mn
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo	112559886	[ ] 1/8	[ ] 200 mL [ ] 15 mn			

	COMMENTS	COMMENTS
SAMPLE SPLITTING	Only 1 Cod-end because the other cod-end was in the Net.	
PROTOCOLS	We use 1 cod-end for the OMICS protocols, and	
F200 Bottle-250mL RT >10°C	the remaining 1500mL were used for the F200. ⚠ the F200 was sieved on the 2000 mesh.	
SAMPLE SPLITTING		
PROTOCOLS		
S200 Cryo-5mL LN2 #1		
S200-L Falcon-5mL FRZ -20°C		