**Before each station : « Quick Cleaning » of tripode filtration systems**

· Make sure that all filtration systems were fully cleaned at the end of the previous station.

· **2 x 50L carboys + 2 x upper 20L carboys (1 color strip)** : Rinse vigorously the inside of the two 50-L and the two 20-L carboys with 20 µm pre-filtered seawater from the station site (A20 pump + 20 µm mesh - funnel) successively pouring from one carboy to the next.

 Alternatively, you can use 0.1μm Filtered Sea Water (FSW) from the inline system.

· **2 x lower 20 L carboys (2 color strips)** : Rinse vigorously the inside of the two 20-L carboys with 0.1 µm pre-filtered seawater from the station site (seawater pump rear deck).

· Clean surfaces, tweezers and everything you use with bleach 10% using a spray and then rinse with FSW using a spray.

· Clean intake (carboy side) and outflow (filtrate side) tubes with the bleach 10% spray bottle. Then rinse them with the FSW spray bottle.

· Place the intake tubes in their respective 20 L or 50 L carboys.

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**After each station : « Full Cleaning » of tripode filtration systems**

 · Discard remaining seawater from all the carboys

**Step 1 : bleach 10%**

 · **All the carboys used** : Rinse vigorously the inside of all the carboys you used with bleach 10% and let the bleach act for at least 10 min. After 10 min, collect all the bleach in only two of the 20 L carboys you have just washed (make sure you have at least 5L of bleach 10% per carboy).

· **All the filtration lines** : 2 x 2 intake tubes in the two 20 L carboys containing bleach 10%. Fill the filtration system with bleach, stop the pump and let the bleach act for at least 10 minutes. (/!\ do not open the peristaltic pump otherwise the bleach will run out). After 10 min, restart the pump and empty the filtration systems.

**Step 2 : Rinsing**

· **All the carboys**: Rinse vigorously 3 times the inside of all the carboys you used with Fresh Water.

· **All the filtration lines** : 2 x 2 intake tubes in the two 20 L carboys containing bleach 10%. Fill the filtration system with bleach, stop the pump and let the bleach act for at least 10 minutes. (/!\ do not open the peristaltic pump otherwise the bleach will run out). After 10 min, restart the pump and empty the filtration systems. Start the pump and let run 5L of MQW through the filtration system.

**Step 3 : cleaning tripods**

· Make sure there is no more remaining MQW in the system (open/close pressure vents, disconnect/reconnect tubes on tripods)

· Open all the tripods and spray all surfaces of holders (top and bottom) with EtOH70 spray to help drying (only if Metabolomic tripods are closed)

· Let dry

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**Between S023-S/S320-S and S<02 : « Quick Cleaning » of tripode filtration systems (WHITE and YELLOW)**

 · Rinse a 20L carboy with FSW and fill it with around 5/10L of FSW.

· **2 “short reads” filtration lines (WHITE and YELLOW)** : 2 “short reads” intake tubes in the 20 L carboy containing FSW. Start the pumps and let run all the FSW through the filtration systems. Stop the pump and empty the filtration systems. Make sure there is no more remaining FSW.

. Prepare tripods for S<02 filtrations.

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**After each station : « Full Cleaning » of 47 mm filter holder, cup and cylinders**

 · Fill the 47mm filter holders, cups and cylinders with bleach 10%. Let the bleach act for at least 10 minutes. After 10 min, switch on the suction.

· Fill the 47mm filter holders, cups and cylinders with MQW and switch on the suction.

· Disassemble the system and rinse with MQW using a spray then do the same with EtOH 70% to help drying

· Once dry, re-assemble the filter holders and cups.