



# AQUAFOREST GUIDE

GUIDE EXPLAINS DIRECTION OF SETTING  
UP AND RUNNING REEF AQUARIUMS  
USING THE INDIVIDUAL AQUAFOREST  
PRODUCTS.

[WWW.AQUAFOREST.EU](http://WWW.AQUAFOREST.EU)

Aquaforest®

In order to facilitate the use of Aquaforest products we created 4 types of aquariums:

## I – AQUARIUM WITH FISH CAST (FISH ONLY)

It is the aquarium, where there is no corals, and the only cast are fish. We recommend the use of the Sea Salt & Nitrification bacteria Bio S (1 drop / 100 litres).

At the start of the aquarium you should put a filter media for a good water flow using Phosphate Minus that binds phosphates, silicates and carbon - removing water pollution.

We also recommend the use of Bio S bacteria every time you do water change.

Fish can be settled after 14 days from the start of the aquarium - if NO<sub>2</sub> is undetectable.

### 1. THE SALINITY OF THE AQUARIUM + ADDING NITRIFICATION BACTERIA (WE RECOMMEND ADDING A FILTER MEDIA).



### 2. NO EARLIER THAN AFTER 14 DAYS YOU CAN START POPULATING THE AQUARIUM WITH FISH (IF NO<sub>2</sub> IS UNDETECTABLE).



FISH

WE RECOMMEND THAT EVERY ANIMAL IS INTRODUCED INTO THE AQUARIUM GRADUALLY SO THE MATURATION OF THE TANK ISN'T DISTURBED.

### 3. THE SETTLEMENT OF AQUARIUM LIFE, WE RECOMMEND USE PRODUCTS:



1 DROP PER 1 CUBE OF FOOD GIVEN  
ALTERNATELY ONCE A WEEK.



THE DOSAGE OF EACH SUPPLEMENT DEPENDS ON THE NUMBER AND FISH SIZE AND QUANTITY OF ADMINISTERED FOOD.

## II- AN AQUARIUM WITH SOFT CORALS, LPS AND FISH

It is the aquarium which casts soft corals, lps and fish.

We recommend the use of salt Reef Salt and nitrification bacteria Bio S (1 drop at 100l).

At the start of the aquarium you should put a filter media for a good water flow:

Phosphate Minus - 100g/100l

Carbon - 100g/100l

We also recommend the use of bacteria Bio S with every water change.

Corals can settled after 14 days from the start of the aquarium - if no2 is undetectable.

We recommend that you first put corals in and fish later.

It's suggested that you feed corals using supplements once a week but not all supplements at once in one day.

For an aquarium of this type, we recommend a moderately strong circulation, LED lighting, metal halide, t5 or hybrid (T5 + LED) accordingly to our experience nutrients (NO3 and PO4) should be detectable, eg.:

no3: 2-10

po4- 0,01-0,08

### 1. THE SALINITY OF THE AQUARIUM + ADDING NITRIFICATION BACTERIA (WE RECOMMEND ADDING A FILTER MEDIA)



### 2. NO EARLIER THAN AFTER 14 DAYS FROM SETTING UP THE TANK YOU CAN START POPULATING THE AQUARIUM WITH LIFE (IF NO2 IS UNDETEC-



WE RECOMMEND THAT EVERY ANIMAL OR CORAL IS INTRODUCED INTO THE AQUARIUM GRADUALLY SO THE PROCESS AREN'T DISTURBED.

### 2. AFTER THE SETTLEMENT OF LIFE IN AQUARIUM WE RECOMMEND TO USE FOLLOWING PRODUCTS: (IF THE TESTS SHOW DECREASES OF Ca, KH, Mg)



THE DOSAGE OF EACH SUPPLEMENT DEPENDS ON THE NUMBER AND THE SIZE OF CORALS IN THE AQUARIUM AND THEIR FOOD CONSUMPTION.

MAXIMUM DOSAGE IS 20ML OF EACH PRODUCT

### 3. FEEDING CORALS - ONCE A WEEK (DOSAGE SHOULD BE ADJUSTED TO THE CORAL'S CAST)

FOR FISH:



1 DROP PER 1 CUBE OF FOOD TO BE GIVEN ALTERNATELY ONCE A WEEK.

FOR CORALS:



5ML/100L 1 DROP / 100L 1 SPOON /100L  
WITH AN AVERAGE CAST OF CORALS



THE DOSAGE OF EACH SUPPLEMENT DEPENDS ON THE NUMBER AND THE SIZE OF CORALS IN THE AQUARIUM AND THEIR FOOD CONSUMPTION.



### III- AQUARIUM WITH LPS AND NOT DEMANDING SPS

It is the aquarium which constitute the cast of reef corals LPS and not demanding SPS.

We recommend the use of salt Reef Salt and nitrification bacteria Bio S (1 drop at 100l).

At the start of the aquarium you should put a filter media for a good water flow:

Phosphate Minus - 100g/100l

Carbon - 100g/100l

We also recommend the use of bacteria Bio S with every water change.

Corals can settled after 14 days from the start of the aquarium - if no2 is undetectable.

We recommend that you first put corals in and fish later.

For an aquarium of this type, we recommend circulation moderately strong, LED lighting, t5 or hybrid (T5 + LED), HQI + t5 accordingly to our experience nutrients (NO3 and PO4) should be detectable, eg.:

no3: 2-5

po4- 0,01-0,05

#### 1. THE SALINITY OF THE AQUARIUM + ADDING NITRIFICATION BACTERIA. (WE RECOMMEND ADDING A FILTER MEDIA)



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WE RECOMMEND THAT EVERY ANIMAL OR CORAL IS INTRODUCED INTO THE AQUARIUM GRADUALLY SO THE PROCESS AREN'T DISTURBED.

#### 2.AFTER THE SETTLEMENT OF LIFE IN AQUARIUM WE RECOMMEND TO USE FOLLOWING PRODUCTS: (IF THE TESTS SHOW DECREASES OF Ca, Kh, Mg)



DOSAGE ACCORDING TO CONSUMPTION OF MACRONUTRIENTS (Ca, Kh, Mg)

#### 3. FEEDING CORALS. (DOSAGE SHOULD BE ADJUSTED TO THE CORAL'S CAST)

FOR FISH:



1 DROP PER 1 CUBE OF FOOD TO BE GIVEN ALTERNATELY ONCE A WEEK.



1 DROP/100L WITH AN AVERAGE CAST OF CORALS  
1 SPOON/100L

FOR CORALS:



THE DOSAGE OF EACH SUPPLEMENT DEPENDS ON THE NUMBER AND THE SIZE OF CORALS IN THE AQUARIUM AND THEIR FOOD CONSUMPTION.

#### IV- SPS AQUARIUM RUN BY AQUAFORREST PROBIOTIC METHOD

Aquaforest Probiotic method introduces to the aquarium carefully selected bacteria in order to reduce levels of harmful nitrates and phosphates. This method of keeping the aquarium, we recommend to experienced aquarists. Characteristic for this method is very low level of nutrients (ULns - Ultra low nutrients system).

For this method the aquarium requires powerful protein skimmer, the dosage of probiotic bacteria and the culture medium. Corals, which are kept in aquariums with very low levels of nutrients should have permanent access to vitamins and amino acids and foods.

For an aquarium of this type, we recommend a strong circulation and good-quality lighting HQI + t5 or t5. We recommend that nutrients (NO3 and PO4) are maintained at very low levels, eg.:

NO<sub>3</sub>: 0.1-0.5

po4- 0.01-0.04

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DOSAGE ACCORDING TO CONSUMPTION OF MACRONUTRIENTS (CA, KH, MG)

### 3. FEEDING CORALS

(DOSAGE SHOULD BE ADJUSTED TO THE CORAL'S CAST)



1 DROP PER 1 CUBE OF FOOD TO BE GIVEN ALTERNATELY ONCE A WEEK.



## WITH AN AVERAGE CAST OF CORALS



THE DOSAGE OF EACH SUPPLEMENT DEPENDS ON THE NUMBER AND THE SIZE OF CORALS IN THE AQUARIUM AND THEIR FOOD CONSUMPTION.

The use of probiotic method in comparison with other methods:

DSB (Deep Sand Bed), Refugium, MM (Miracle Mud) - there were no contraindications as well as the legitimacy of linking these systems together.

VSV (Vodka, Sugar, Vinegar) – not recommended while using probiotic method.

Vodka method – not recommended while using probiotic method.

Bio Pellets- not recommended, but acceptable.

Ozone, UV - not recommended, but acceptable.

It's unacceptable to use ozone in combination with Probiotic Reef Salt.

Calcium Reactor - there were no contraindications.



AN IMPORTANT FACTOR FOR PROBIOTIC METHOD  
IS TO MAINTAIN A STEADY LEVEL OF CARBONATE HARDNESS  
(KH) ON 6.5 TO 7.5 DKH

The most important role in salt water aquariums play bacteria responsible for decomposition and the processing of harmful compounds present in the water. At the beginning, you should create an appropriate conditions for settlement and development of fish cast & corals. The filtration system, when using probiotic method, should be based mainly on the media like Bio Ceramics due to its high porosity. As a medium, you can also use ceramics, dry or live synthetic rock – with principle in mind the more porous then better – as larger the area for colonization by the bacteria.



## Bio S

Supplement contains nitrifying bacteria.

Specially selected bacteria strains will accelerate the removal of ammonia and other toxic organic compounds. It is extremely useful in newly established aquariums because it accelerates the start of the nitrogen cycle. BioS can be also successfully used in cylinders in which the filtration system is based on probiotic bacteria. It is recommended to use also BioS at the introduction process of new fish to the aquarium. Dosage: 1 drop per 100 liters daily for first 2 weeks of setting up the aquarium. Additional dose is also recommended after fish loss or fish stock increase.



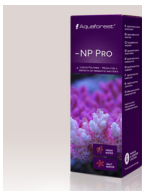
## PRO Bio S

Highly concentrated probiotic bacteria. Supplement contains several specially selected bacteria strains. Key function is to transform phosphate, nitrate and organic compounds to a biomass which can be easily removed by skimmer or consumed by corals, sponges, clams and many filter feeders. Bacteria will significantly reduce organic sediment accumulating in the substrate & aquascaping elements. To achieve better results it's recommended to place in the sump an additional bacteria medium like Siporax or sand. Bacteria can also be a food source for corals. ProBioS protects your tank against pathogenic organisms. Recommended to use in conjunction with -NP Pro or ProBioF. Dosage: 1 drop per 100 litres daily.



## PRO Bio F

Probiotic bacteria with culture medium for  $\text{NO}_3$ ,  $\text{PO}_4$  reduction. It stimulates the development of bacterioplankton, one of the main nutrients for all corals. Dosage: one spoon for 100 liters of water a day.



## -NP PRO

Liquid Polymer - Media for a growth of probiotic bacteria After addition of -NP Pro, bacteria will grow rapidly and in that way will convert unwanted nutrients like nitrate and phosphate into biomass. As a result, bacteria will be skimmed off or absorbed by corals and filter feeders, in this manner providing an additional source of natural food. Recommended to use in conjunction with Pro Bio S. Dosage: 1 drop per 100 litres daily.

The next important element of the filtration system when using the probiotic method is the application of an efficient protein skimmer. When set to „dry” skimming it helps to keep nitrates ( $\text{NO}_3$ ) and phosphates ( $\text{PO}_4$ ) at a low level and to reduce the excess of multiplied bacteria. In order to reduce the level of phosphates in already functioning or “fresh” aquariums we recommend using a phosphate reactor with suitable absorber. After reducing the phosphates level in water it should be disconnected as it should not constitute the filtration base in this method. You must not use any refills where the composition is based on alumina.



## PHOSPHATE MINUS

Effective medium for phosphate reactors. It reduces the phosphates and silicates level in marine and fresh water aquariums.



## CARBON

High quality granulated active carbon developed to get rid of any toxic compounds and to improve water clarity. It's great absorption is attributed to high porosity. It doesn't contain any phosphates.

APPLICATION OF THE PROBIOTIC METHOD ALLOWS YOU TO KEEP NITRATES ( $\text{NO}_3$ ) AND PHOSPHATES ( $\text{PO}_4$ ) AT AN EXTREMELY LOW LEVEL. HOWEVER THERE IS A CONNECTION BETWEEN REDUCTION OF THESE COMPOUNDS. IT IS NECESSARY TO REMEMBER NOT TO GET RID OF THE NITRATES ( $\text{NO}_3$ ) COMPLETELY FROM THE WATER. IF THERE IS A PROBLEM WITH A VERY LOW LEVEL OF NITRATES, YOU SHOULD INCREASE THE FOOD DOSE.



## SELECTION OF SALT:

Choosing the salt is very important and should be done accordingly to the requirements of tank. This should be based on tank cast & way of managing it.

In order to maintain a constant water parameters, we recommend the use of salt that has most similar parameters to those of natural environment. We recommend that water changes are carried out every 7 days in an amount of approximately 5%-10% of water volume.

Each Aquaforest salt dissolves in 15 minutes and is immediately ready to use.

We recommend the use of water RO + DI (eg. Demineralization Resin)

Optimum water parameters:

Salinity: 1,024-1,026 s.g

Ca: 410-440ppm

Mg: 1230-1320ppm

KH: 6.5-7.5 dKH

K: 360-400ppm





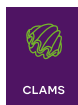
## SEA SALT

Sea salt created for fish tanks, less demanding corals and invertebrates. Phosphate and nitrate free. Upon filling new marine tanks it is recommended to let animals in not earlier than after 10-14 days. 380g of the salt for 10 litres of water is sufficient to achieve salinity up to 1,024 ppm.



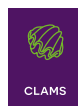
## REEF SALT

Reef Salt designed for aquariums with more demanding SPS and LPS corals. It does not contain bromides and can be used with filtration assisted by ozone. Also, it does not contain any probiotic bacteria or growth media. Phosphate and nitrate free. Upon filling new marine tanks it is recommended to let animals in not earlier than after 10-14 days. 395g of the salt for 10 liters of water is sufficient to achieve salinity up to 1,025 ppm.



## PROBIOTIC REEF SALT

Fully synthetic marine salt created for coral culture, especially SPS. Composition is destined to create the best conditions for marine animals. The micronutrients and macronutrients contained fully satisfy the amount of elements required for proper growth and dyeing of corals. Addition of Reef Probiotic Inside formula guarantees good influence on reduction of nitrates, phosphates, and also inhibits pathogenic bacteria in marine aquarium. Freshly prepared marine water, after dissolution of salt, can be used immediately for water exchange. When setting up new aquariums, the first animals are recommended to be placed no sooner than after 10-14 days from filling the aquarium.



## SUPPLEMENTS AND CORAL FOODS:

Corals are affected not only by parameters of the water but also by the nutrients provided to them in the form of various supplements. Those contained in food increase their vitality, accelerate growth and improve their colours.

In the system with an efficient probiotic protein skimmer there is always a big drop in the level of vitamins and amino acids necessary for proper corals development. For this purpose, we recommend regular use of supplements to keep an appropriate levels in the aquarium. When an aquarist maintains the correct water parameters, including nutrients at as low as possible levels it is worthwhile to begin to feed the corals.

All Aquaforest formulations are adapted to dispense one drop at 100l of water.

However, it should be remembered that each aquarium is different, depending on reef cast.

By introducing a new product to the aquarium you should begin dispensing 1/2 dose thereby to observe corals and their reactions to given supplements. Then gradually to increase the dosage to reach the target.

Corals are best to take food at night, when foraging in search for food. We recommend that you give food to corals after lights out. It's not recommended to mix all supplements together and giving them all at once.

All foods are recommended to be given to the depths so corals can feed from the water.



### CORAL A

Supplement contains concentrated amino acids. This is essential complement for marine aquarium, especially for Ultra Low Nutrient Systems (ULNS). Amino acids are one of the main source of energy for all types of corals and filter feeders. It promotes metabolism, aids growth as well as vitality. In natural coral reefs the concentration of total amino acids is low. It fluctuates between 200-500 nmol/l. However the latest scientific research proves that coral can adsorb up to 7 times more amino acids depending on availability. Amino acids are very easily removed by skimming process, ozone or granulated carbon. Regular dosing its highly recommended. Dosing 1 drop for 100l every other day when the light is off.



### CORAL V

Supplement containing concentrated vitamins for corals. Emphasizes the intensity of the colour and increases the resistance of coral. Supports recovery of stressed and weakened corals after import or disease. Vitamins are very easily removed by skimming process, ozone or granulated carbon.

Coral V contains: vitamin A, vitamin B1, vitamin B2, vitamin B6, vitamin B12, vitamin C, vitamin D3, vitamin E and vitamin K3.

Dosage: 1 drop per 100 l of water every other day when light is off.



### CORAL B

Speeds up the adsorption of calcium and carbon required for building up coral skeleton. Coral B maintains correct pH level in aquariums and improves water clarity. It lowers the levels of undesirable hair algae and prevents the growth of pathogenic blue-green algae. Contains: iodides, carbonates, calcium. Dosage 1-3 drops/ 100L a day, when light is off.



### CORAL E

Highly concentrated and nutritious food for corals. Contains omega-3 and omega-6 fatty acids, unique highly concentrated and nutritious food for corals. Extract from selected zooplankton, amino acids, vitamins and carbohydrates. Product does not contain phosphates and nitrates. An addition of copper sulphate reduces the development of zooxanthellae and increases bright pastel colouring in SPS corals.

Dosage: 1 drop per 100 l of water every day when light is off.



## CORAL FOOD

Powdery alimentary supplement dedicated for SPS and LPS corals.

Instruction: prepare a small container and fill it with 20ml of water from the tank.

Add one spoon of Coral Food powder and mix it for 1 minute. Pour the content into aquarium or use syringe/pipette to feed selected coral. Use one spoon per 100L aquarium. We recommend to dose supplement at night or when the lights are switched off.



## RICCO F

Powdery food dedicated for Ricordea corals.

Instruction: prepare a small container and fill it with 20ml of water from the tank. Add one spoon of RiccoFood powder and mix it for 1 minutes. Pour the content into aquarium or use syringe/pipette to feed selected coral. Use one spoon per 100L aquarium.

We recommend to dose food at night or when the lights are switched off.



## CORAL F

Liquid food for soft, gorgonian and non-photosynthetic corals. It consists of zooplankton and phytoplankton. It should be applied every other day.

Dosage of 5ml per 100l of water in aquarium with average number of corals.

IF YOU WANT TO KEEP YOUR FISH CAST IN AN EXCELLENT CONDITION USE FOLLOWING SUPPLEMENTS FOR FISH:



## GARLIC OIL

Natural supplement from garlic extract. Containing vitamins, omega-3 acid, fish oil and natural antibiotics. It strengthens fish immune system against viruses & parasites.

Strongly recommended during treatment and quarantine.

Dosage: 1 drop per portion of food, 2 – 3 times a week.



## FISH V

Contains concentrated fish vitamins and amino acids. Dedicated for all ornamental fish in both, marine and freshwater aquariums. Recommended to use with frozen foods that typically does not contain adequate amount of vitamins.

Ingredients: vitamins A, B1, B2, B6, B12, C, D3, E, K3, and biotin, alanine, choline, cysteine, glutamine, leucine, lysine, serine, tyrosine.

Dosage: one drop per portion of frozen food, or 1 drop / 100L directly into the tank.



## SUPPLEMENTATION:

Aquaforest recommends weekly 5%-10% substitution of the water in the aquarium. While doing it, we recommend to perform tests (Ca, KH, MG, K). When you see any declines in parameters such as Ca, KH, MG you should consider supplementation. Aquaforest offers following:

Calcium, Magnesium, KH Buffer, Reef Mineral Salt & Components Strong.

In the initial phase of the marine aquarium development the microelements contained in the Strong Components are not required. When the aquarium is fully inhabited with coral cast then the micronutrients supplementation should be added.

The microelements that are included in Components Strong may also be dosed separately (Iron, Fluorine, Kalium, Micro E, Strontium, Iodum) – although the dispensing of an individual micronutrients we only recommend to the very experienced aquarists. For all aquarists using Calcium reactor is recommended to use individual micronutrients or component A, component B, Component C.

To facilitate the selection of micronutrients Aquaforest created a product Component 1 + 2 + 3 + - ready macro and micronutrients solutions that fully meet the coral's requirements providing them healthy growth and beautiful coloration. The dosage of Component 1 + 2 + 3 + solutions depends on macro and micronutrients level of consumption by corals and water parameters.



### COMPONENT 1+, 2+, 3+

Formula of chemical composition of components 1+,2+,3+ is based on method developed by H. Balling, however, it has been modified and enriched with microelements necessary for normal function of a marine aquarium. This way, we can obtained 3 fluids intended for dosing in equal amounts on regular basis in order to fulfil coral demand not only in terms of magnesium and calcium, but also in terms of all other elements, which doses may be difficult for establishing under home conditions, and which require careful and systematic dosing. In case reservoir containing average number of hard corals, the dose is approximately 50 ml daily per 100 liters of water. Component 1+ contains: Ca, Mg, Sr, Ba, Co, Mn, Cu, Fe, Zn, Ni, Cr ( 50ml raises of 9 mg Ca/100 l and 0,6 mg Mg/100l ). Component 2+ contains: NaHCO<sub>3</sub>, F, I ( 50ml raises the KH of 1,3 dkh(Alk 0,46 meg/l). Component 3+ contains: mineral salts and K, Bo.



### CALCIUM

An agent to maintain constant levels of calcium in coral reef aquaria.

Dissolve 50g of the product and 10g of Aquaforest Magnesium in 1000ml of deionized water.

To maintain ion equilibrium, use Aquaforest KH Buffer and Reef Mineral Salt products as well.

The recommended calcium level in coral reef aquaria is 400-440 mg/L. Contains CaCl<sub>2</sub>.



### MAGNESIUM

An agent to maintain constant levels of magnesium in coral reef aquaria. Dissolve 10g of the product and 50g of Aquaforest Calcium in 1000ml of deionized water. To maintain ion equilibrium, use Aquaforest KH Buffer and Reef Mineral Salt Aquaforest products.

The recommended magnesium level in coral reef aquaria is 1280-1350 mg/L. Contains MgCl<sub>2</sub>.



## KH BUFFER

An agent to maintain constant carbonate hardness in coral reef aquaria. Dissolve 80g of the product in 1000ml of deionized water. To maintain ion stability, use Aquaforest Calcium, Magnesium and Reef Mineral Salt products. The recommended KH level in coral reef aquaria is 6.5° - 8.0°dKH. Contains NaHCO<sub>3</sub>.



## REEF MINERAL SALT

An agent to maintain constant levels of minerals in coral reef aquaria. Dissolve 25g of the product in 1000ml of deionized water. To maintain ion stability, use Aquaforest KH Buffer, Magnesium and Calcium products.



## COMPONENTS STRONG

Components Strong are recommended to use with Aquaforest Calcium, Magnesium, KH Buffer

& Reef Mineral Salt products.

**Component A Strong** - contains concentrated strontium and barium. The amount of strontium and barium depends on requirements for magnesium and calcium. 5 ml should be added to

1 litre of ready solution of Aquaforest calcium and magnesium.

**Component B Strong** - contains concentrated heavy metals. The amount of heavy metals depends on requirements for magnesium and calcium. 5 ml should be added to 1 litre of ready solution of Aquaforest calcium and magnesium.

**Component C Strong** - contains concentrated iodide and fluoride. The amount of iodide and fluoride depends on requirements for calcium. 5 ml should be added to 1 litre of ready solution of Aquaforest KH buffer.

**Component K Strong** - contains concentrated potassium. The amount of potassium depends on requirements for magnesium and calcium. 5 ml should be added to 1 litre of ready solution of Aquaforest reef mineral salt.

## DOSAGE OF MACRO AND MICRONUTRIENTS BASED ON AQUAFOREST PRODUCTS:

MACROELEMENTS



MICROELEMENTS



OR



In aquariums with soft corals and small number of LPS corals - when drops of macro-nutrients (Ca, Mg, Kh) are not significant it's possible to use products:



## CA PLUS

Solution increasing calcium level of water.

Application: 10ml of the solution increases Ca level of 10mg/l in 100l of water.

Maximum daily dosage is 20ml in 100l of water.

Calcium level in reef aquarium should be kept at around 430mg/l.



## MG PLUS

Solution increasing magnesium level in marine aquarium.

Application: 10ml of the solution increases Mg level of 5mg/l in 100l of water.

Maximum daily dosage is 20ml in 100l of water.

Magnesium level in reef aquarium should be kept at around 1300mg/l.



## KH PLUS

Solution increasing temporary hardness level in marine aquariums.

Application: 10ml of the solution increases KH level of 0,5°dKH in 100l of water.

Maximum daily dosage is 20ml in 100l of water.

Temporary hardness level in reef aquarium should be kept at around 6,5° – 8,0°dKH

In addition, if the aquarist wants to improve the coloration of corals, we recommend to use concentrated microelements:



## COMPONENT A, B, C

### Component A

Component designed for supplementing strontium and barium in marine aquarium.

It should be applied at least once a week in a dosage of 10 drops for 10l of aquarium water or 10ml (one top) for 200l of water – with average coral planting.

### Component B

Component designed for supplementing heavy metals in marine aquarium.

It should be applied at least once a week in a dosage of 10 drops for 10l of aquarium water or 10ml (one top) for 200l of water – with average coral planting.

### Component C

Component designed for supplementing iodine and fluorine in marine aquarium.

It should be applied at least once a week in a dosage of 10 drops for 10l of aquarium water or 10ml (one top) for 200l of water – with average coral planting.

## DOSAGE:

MARINE SALTS			
PROBIOTIC REEF SALT	Fully synthetic marine salt for SPS and LPS Corals (probiotic inside)	395 g per 10 l to 34 PSU (~1.025 S.G.)	
REEF SALT	Fully synthetic marine salt for SPS and LPS Corals	395 g per 10 l to 34 PSU (~1.025 S.G.)	
SEA SALT	Fully synthetic marine salt created for fish tanks	380 g per 10 l to 31 PSU (~ 1,024 S.G.)	
PROBIOTICS AND NITRIFICATION			
BIO S	Nitrifying bacteria for Start-Up & amonia reduction	1 drop per 100 l	⚡
PRO BIO F	Probiotic bacteria with culture medium for $\text{NO}_3$ $\text{PO}_4$ reduction	1 spoon per 100 l	
PRO BIO S	Probiotic bacteria for $\text{NO}_3$ $\text{PO}_4$ reduction	1 drop per 100 l	⚡
-NP PRO	Liquid Polymer - Media for a growth of probiotic bacteria	1 drop per 100 l	⚡
SUPPLEMENTS AND FOODS			
CORAL A	Aminoacids - source energy for corals	1 drop per 100 l	☾
CORAL B	Growth acceleration	1 drop per 100 l	☾ ⚡
CORAL E	Highly nutritious food for corals	1 drop per 100 l	☾ ⚡
CORAL V	Vitamins for Coral vitality & health	1 drop per 100 l	☾
CORAL F	Liquid Feed	5 ml per 100 l	☾
CORAL FOOD	Powdered feed for sps and lps corals	1 spoon per 100 l	☾
RICCO FOOD	Powdered feed for corals of the ricordea family	1 spoon per 100 l	☾
GARLIC OIL	Vitamins Omega -3 acid garlic extract	1 drop per food cube	
FISH V	Vitamins for fish vitality & health	1 drop per food cube	
MICROELEMENTS			
IODUM	Supplement for blue and purple colour enhancement	1 drop per 100 l	
STRONTIUM	Supplement for skeletal strength and branching	1 drop per 100 l	
FLUORINE	Supplement for blue and white colour enhancement	1 drop per 100 l	
KALIUM	Supplement for pink and red colour enhancement	1 drop per 100 l	
IRON	Supplement for green colour enhancement	1 drop per 100 l	⚡
MICRO E	Complex of heavy metals for marine organisms	1 drop per 100 l	⚡
WATER CHEMISTRY+ ADDITIVES			
COMPONENT 1+2+3+	Micro and macronutrients	The dosage varies depending on aquarium types and lifecycle stages.	
COMPONENT A	Replenishment barium and strontium levels	10 ml per 200 l	
COMPONENT B	Replenishment of heavy metals levels	10 ml per 200 l	
COMPONENT C	Replenishment of iodine and fluorine levels	10 ml per 200 l	
CA PLUS	Increases Calcium Levels	20 ml per 200 l	
MG PLUS	Increases Magnesium Levels	20 ml per 200 l	
KH PLUS	Increases Carbonate Levels	20 ml per 200 l	
CALCIUM	Maintains constant levels of calcium in coral Reef Aquaria	50 g per 1 l	
MAGNESIUM	Maintains constant levels of magnesium in coral Reef Aquaria	10 g per 1 l	
KH BUFFER	Maintains constant levels of carbonate hardness in coral Reef Aquaria	80 g per 1 l	
REEF MINERAL SALT	Maintains constant levels of minerals in coral Reef Aquaria	25 g per 1 l	



COMPONENTS STRONG	Supplement Containing all microelements required in coral reef Aquaria	5 ml per 1 l
FILTRATION MEDIA		
CARBON	Removes undesired chemicals from marine and freshwater aquaria	100 ml per 100 l
PHOSPHATE MINUS	Adsorbing and reducing phosphates and silicates	100 ml per 100 l
ZEO MIX	Specially selected blend of zeolites	100-500 g per 100 l

☾ Recommended dosing when the light is off

🌀 Shake (well) before use

This dosage is dictated by our many years of experience in coral farming, tests and opinions from our customers. Each aquarium is different due to vary filtration ways. The dosage should be tailored to individual needs and life cycles of the tank. The demand for supplements varies depending on the type of aquarium, so dose for SPS reef is different from the soft coral aquarium. We recommend to start from the mid-dose of each additive and observe corals appearance.



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