

ARKA[®]

MICROBE-LIFT[®]



INSTRUCTIONS
SALTWATER START

Making the best of your saltwater aquarium

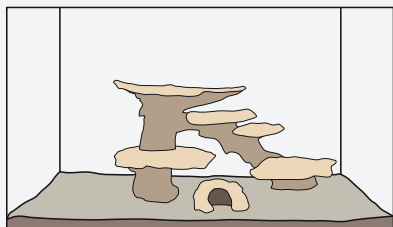


What do I need to make the best of my saltwater aquarium?

Product	NITE-OUT II	SPECIAL BLEND	PREMIUM REEF	THERA P (optional)
What for?	Nitrification: Ammonia/Ammonium ⇌ Nitrite ⇌ Nitrate	Denitrification: Nitrate ⇌ Nitrogen	Salinating and trace elements	Less disruption, healthier animals, more growth
Advantages	After 24 hours , your aquarium is fully functional as they are living and fully developed bacteria . They begin their work as soon as they have been added and thus ensure proper nitrification and denitrification from the first day . This enables the safe and immediate partial or complete population with corals.			
What do I have to consider?	<ul style="list-style-type: none"> • Make sure there is sufficient space for the beneficial bacteria to settle (ground, reef structure) • Use your skimmer from the first day • Switch off UV and ozone systems for 12–24 hours after adding bacteria 			

Step by step:

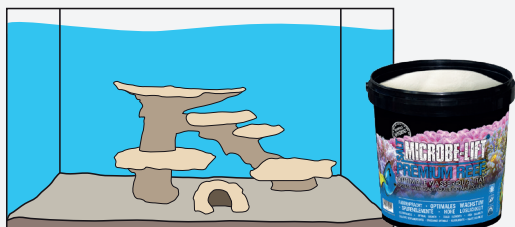
A



First, set up your aquarium with a **reef structure** (reef ceramics, fossil reef rock, living rock or other suitable materials) and, if desired, a **substrate** (recommended). Make sure that there is **enough space for useful bacteria** to settle.

Due to their high porosity, which makes them a perfect settlement area, we recommend our **ARKA Aquatics reef ceramics** or our **myREEF-ROCKS** fossil reef rock.

B



Salinate the required amount of **tempered osmosis water** with the right amount of **MICROBE-LIFT Premium Reef Salt** to achieve the desired water values while ensuring sufficient water movement. **After a very short time**, the water is clear and can be used. **38g dissolved in 1000 ml of fully desalinated water (in 25° C)** yield the following (approximate) values:

Density: 1.022

KH: approx. 8-10° dKH

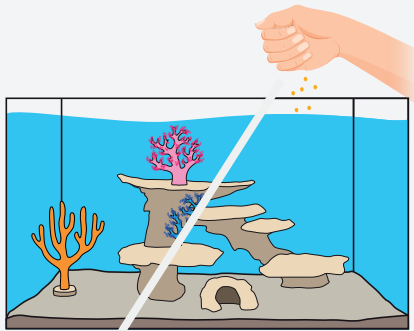
Magnesium content: approx. 1300 mg/l

pH value: 8.3-8.5

Calcium content: approx. 430 mg/l

Strontium: approx. 8.1 mg/l

C



About **24 hours** after you have put the salinated water into your aquarium, populate it partially or completely **with corals**, or, if this is not possible, add **some fish** or **coral feed** to the water to raise “**water load**”.

This is important to **ensure that bacteria are fed** and thus establish a **regulated biological cycle**.

Please note: The use of **Nite-Out II** and **Special Blend** in connection with the “classic start-up approach” does not work because the bacteria would be without food for a long time.

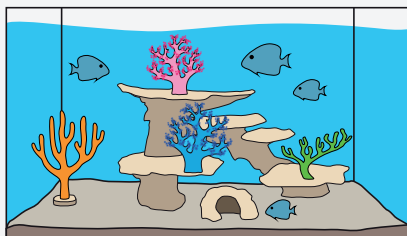
D



When you have populated the aquarium the first corals or have added feed, you now add **Special Blend** for the **first time**. You then add the first dose of **Nite-Out II** 3-4 hours later.

Our **dosing schedule** or the product label will tell you when to add more.

E







Once you have populated your aquarium with corals on the first day, you can move the **first fish** in as soon as the **water values (ammonium/ammonia and nitrite) are suitable** (as close as possible to 0). **Check ammonium/ammonia and nitrite values regularly**, as these usually **increase quickly** after population.

Dose **Nite-Out II** daily until the value is in a **tolerable range again after adding your fish**. You will then no longer have to add **Nite-Out II** daily. The dangerous **nitrite peak** that often occurs is reduced thanks to **Nite-Out II** to a **safe level**.

Dose **Special Blend** and **TheraP** regularly after the start-up phase, as indicated on our labels or our dosing schedule, in order to **establish a permanently effective biology** in your aquarium.

Dosing schedule

		Week							
		1	2	3	4	5	6	7	8
NITE-OUT II Starter Bacteria 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		10 ml/100 litres of water daily until ammonium (NH ₄) / ammonia (NH ₃) and nitrite (NO ₂) are no longer measurable after adding your fish					10 ml / 100 litres of water once, after major water changes (≥ 50%) or population with new animals		
SPECIAL BLEND Water Care 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		25 ml / 100 l of water**			15 ml / 100 l of water**			7,5 ml / 100 l of water** (every 14 days)	
THERA P (optional) Animal Care 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		25 ml / 100 l of water**			15 ml / 100 l of water**			7,5 ml / 100 l of water** (every 14 days)*	
PREMIUM REEF Salt 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Ideal for start-up and long-term care							
		start					long-term care		

We recommend additional weekly water changes (10-20%)

* Alternating weeks with Special Blend.

** Saltwater inhibits the growth of bacteria; for faster results, add an additional 25-50 %.



Tips:

- Ideally add **Special Blend** and **TheraP** in the morning, so that the photosynthetic bacteria it contains can make use of the **full light phase** at the start.
- During the **start-up phase** or if **coral populations are low** only use our **Premium Reef Salt**, because the organic components in our **Organic Active Salt** might not be completely used up.
- When using **TheraP** for the first time allow **2–3 days** before using **Special Blend**. As soon as the maintenance dosage has been reached, **alternate weekly**.

What do I need for an optimal coral supply?

1. The right sea salt

Product	PREMIUM REEF SALT	ORGANIC ACTIVE SALT
Start	✓	X
Low coral populations	✓	✓
High coral populations	✓	✓
37 g dissolved 1 litre of fully desalinated water (25°C) give the following values:		
Density:	1,022 / 25 °C	1,022 / 25 °C
pH value:	8,3–8,5	8,3–8,5
KH approx.:	8–10 °dKH	8–10 °dKH
Calcium content approx.:	430 mg/l	450 mg/l
Magnesium content approx.:	1.300 mg/l	1.380 mg/l
Strontium approx.:	8,1 mg/l	8,1 mg/l
Free of Nitrate & Phosphate	✓	✓


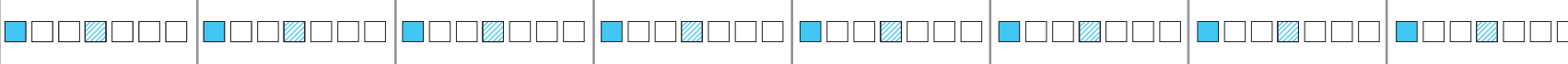








	Version 1		Version 2
Suitability?	For aquariums with a steady consumption of the individual elements		For every saltwater aquarium
Product	ALL-IN-ONE	COMPLETE (optional)	BASIC-SYSTEM
What for?	Supply of important trace elements (CA & MG), minerals, vitamins and amino acids	Stabilizes KH and pH value	Complete supply with calcium, magnesium and KH + other optional additions
Advantages	<ul style="list-style-type: none"> • Easy dosage • Little effort 		<ul style="list-style-type: none"> • Individual values can be adjusted
What do I have to consider?	<ul style="list-style-type: none"> • Check your water values regularly 		<ul style="list-style-type: none"> • Check your water values regularly

For all of our coral supply systems, we recommend weekly water changes (10–20%) with our MICROBE-LIFT sea salts. If necessary, the coral supply can be supplemented with All-in-One and the products from our Reef series (e.g. Calcium, Magnesium, etc.).

Dosage schedule for corals

		Week							
		1	2	3	4	5	6	7	8
ALL-IN-ONE Trace Elements 	Version 1								
									
	1–2 times a week 5 ml / 100 l water; dosage can be administered daily with large populations								
COMPLETE (optional) KH & pH Stabilisation 	Version 1								
									
	25 ml / 100 l water to stabilise KH value at approx. 8~10 dH° and pH value at 8.0~8.3, dosage can be administered daily with large populations								
BASIC-SYSTEM Reef Supplement 	Version 2								
									
	Ideal for start-up and long-term care								



How do I get started with the BASIC system?

1

What are my water values?

Measure and record all relevant water values:

Calcium	Magnesium	Carbonate

Repeat the measurements on several consecutive days at the same time of the day.

Calcium	Magnesium	Carbonate

2

How much does my aquarium use?

Determine the consumption of calcium, magnesium and carbonate based on the measurements in step 1. It is even easier with the practical and easy-to-use **AquaCalculator** (www.aquacalculator.com).

Please note: You should also regularly check the consumption of your aquarium during normal operation of the Basic System, as healthy coral growth increases consumption.

3

Which type of aquarium do I have?

You can find the ideal values recommended for your aquarium in the following table:

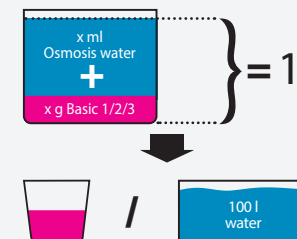
Aquarium type	Temp.	Density (25°C)	Calcium	Magnesium	°dKH	Nitrate	Phosphate
Mixed reef	25° C	1.023~34.6	420 mg/l	1.260 mg/l	8	3–10 mg/l	0.05–0.1 mg/l
SPS/LPS Aquarium	25° C	1.024~35.9	450 mg/l	1.350 mg/l	8–10	0.3–5.0 mg/l	0.01–0.05 mg/l
SPS dominating	25° C	1.023~34.6	410 mg/l	1.220 mg/l	8	0.0–0.1 mg/l	0.0–0.01 mg/l

4

Using MICROBE-LIFT BASICS

The individual components of the MICROBE-LIFT BASICS are mixed in three separate 1-litre or 5-litre containers.

1. Place the specified amount of Basic 1 powder, for example, in a measuring cup.
2. Now fill the measuring cup to exactly 1 litre with osmosis water.
3. Add the given specified amount of additives, for example Basic 1.1, to the measuring cup.



Example:

For 1 litre of stock solution	Basic 1		Basic 2	Basic 3
	367 g		419 g	85 g
	Basic 1.1	Basic 1.2	Basic 2.1	Basic 3.1
Mixed reef	30 ml	30 ml	30 ml	15 ml
SPS/LPS Aquarium	30 ml	20 ml	15 ml	10 ml
SPS dominating	15 ml	5 ml	5 ml	2.5 ml

4. Now you have the first stock solution for one litre.

Repeat this step four times if you want to mix 4 litres in our canister.

5

Dosing the MICROBE-LIFT BASICS

Now calculate the ideal dose for your aquarium from the following table:

	Dosage amount in ml per 100 liters		increase
Basic 1 ready-mixed stock solution	10		10 mg/L Calcium
Basic 2 ready-mixed stock solution	10		5 mg/L Magnesium
Basic 3 ready-mixed stock solution	35		1 °dKH

Tips:

- Always dose **Basic 1 calcium** and **Basic 3 carbonate** stock solutions at different times.
- Dissolve **Basic 3 carbonate** in slightly warm water.
- We recommend a **weekly water change of at least 10%**, with our **Microbe-Lift Premium Reef Salt** or **Organic Active Salt**.
- Our **BASICS** can be used together with **all common filter systems**, such as the Zeolite system, a natural filter or the Berlin system.

Quality standards

As with all of our **MICROBE-LIFT** products, our **MICROBE-LIFT BASICS** also comply with the **strictest quality standards**. Our salts comply with **pharmaceutical standards of purity** and are continually subjected to **stringent quality management** controls just like our trace elements and vitamins.

Our **MICROBE-LIFT BASIC** salts contain special **pH buffers** as well as **carefully selected minerals** and **bioactive stabilisers** to enable the corals in your aquarium to absorb trace elements as **efficiently as possible**, and to optimise the **stability of chemical parameters** in your aquarium.





Do you have other questions?

Feel free to contact us on:

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