

Balling-light-method

The classic balling-method is meanwhile one of the most popular methods for providing your reef-tank with calcium.

We have adjusted this method to today's needs and have created the balling-light-method.



Balling-light works without calculating and wasteful gram-precise mixing of chemicals.

For this method, you need four different chemicals, which compound in the tank to the needed calcerous substances.

We will not confuse you with exact chemical formulas, but show you a simple but effective way of providing your animals with calcium.

Balling-light means adding the needed minerals like calcium, magnesium and carbonates separate and after the requirement of your tank.

For that, three different solutions are prepared and added to the tank. As the requirement of each tank is different, it has to be detected in the course of some days on your own. Therefore you start with adding 20ml/100 liter and measuring the actual value before and some hours afterwards.

Instruction:

You need three solutions in three separate 10-liter (2,5 gallons) cans:

1. can:

2 kilogram Calcium Chloride-Dihydrate in 5 liter reverse-osmosis water

2. can:

2 kilogram Magnesium Chloride-Hexahydrate in 5 liter reverse-osmosis water
250 gram Magnesium Sulfate-Heptahydrate

3. can:

500 gram sodium hydrogen carbonate in 5 liter reverse-osmosis water

Now, all three cans can be connected to a GROTECH TEC III dosing controller. Each solution has to be dosed according to the size of the tank.

At the beginning, CA, MG and alkalinity have to be checked daily and the dosing quantity has to be adjusted at the controller. The GroTech controller is very suitable for that, as each channel can be adjusted individually and the solutions can be dosed twice a day at 5 minutes intervals.

You can do this also by hand.

After round two weeks, ones personal need will be detected and adjusted.

The quantities in each can can now be calculated and varied by you.

Through Balling-light a small quantity of sodium chloride will arise in your tank.

To avoid accumulation it should be compensated by periodical water change (10% each week).

Also, always check the salinity of your water and adjust it if necessary.

Essential trace elements needed for the growth of corals can be dosed automatically.

Therefore we have developed the Ultra Trace B solutions.

Add to can 1 (to the Calcium Chloride-Dihydrate) 25ml of the strontium-complex and 25ml of the heavy-metall-complex.

To can 2 (to the magnesium) you add 25ml of the Iodine-Fluorine Complex.

And that is it.

We wish you good luck using Balling light.