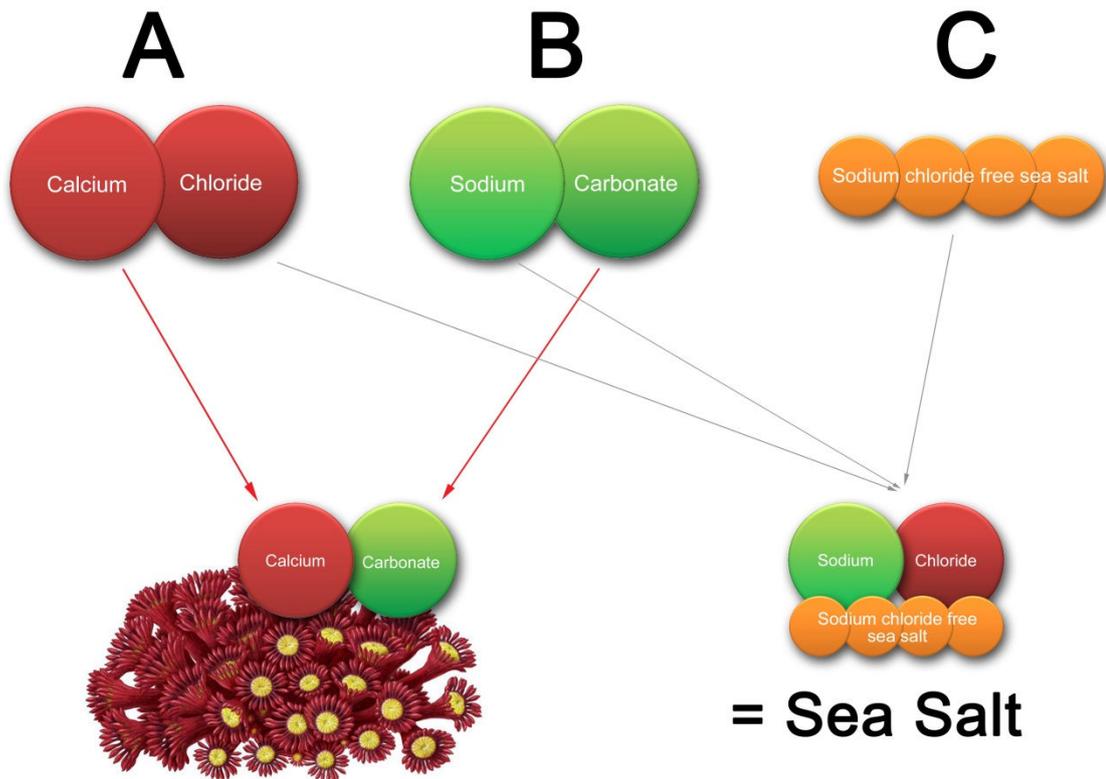


# TIPS & TRICKS

## The Balling method for supplying calcium and carbonate

A balanced calcium dosage creates the optimum conditions for growth of corals and coralline algae. Calcium, alkalinity and pH work together in the water to reach calcite saturation, which is essential for growth of corals and coralline algae.



The basis of the Balling method is the addition of **calcium chloride 2-hydrate ( $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ )** and **sodium carbonate/sodium bicarbonate ( $\text{Na}_2\text{CO}_3$  /  $\text{NaHCO}_3$ )**. Sodium Chloride ( $\text{NaCl}$ ) is formed as a byproduct of the use of these salts by the corals. To balance this additional sodium chloride, the Balling method adds sodium chloride free sea salt as a third component. Combined with the sodium chloride produced from the use of the first two compounds, this third part creates totally complete sea salt. In this way, the ionic balance of the solution is maintained.

The three salts are dissolved in three separate containers in reverse osmosis water and can be added by means of a dosing pump in a well circulated area or at three different locations in the aquarium, this helps to avoid precipitation. The salinity in the tank will be slightly increased by the addition of these salts. This increase will be easily adjusted when doing water changes or adding make up water.

## Products to use the Balling method:

### ORIGINAL BALLING Components

These salts are the 3 individual components of the Balling Method for a complete ionically balanced independent dosage of calcium and carbonates in the reef aquarium while maintaining a stable pH. The three separate packets of salt are easily dissolved in RO/DI water.



#### TROPIC MARIN® ORIGINAL BALLING Components

	Art.-N°
1 kg / 53.5 oz calcium chloride 2-hydrate (part A)	26522
1 kg / 53.5 oz sodium carbonate/sodium bicarbonate (part B)	26524
1 kg / 53.5 oz sodium chloride free sea salt (part C)	26526
3 x 1 kg / 53.5 oz set with part A, B and C	26528

### ORIGINAL BALLING Liquid Set

This set is the convenient liquid form of the three ORIGINAL BALLING salts. Get all of the control and benefits of the Balling method, use right out of the bottle, no mixing required.



#### TROPIC MARIN® ORIGINAL BALLING Liquid Set

	Art.-N°
3 x 1.000 ml / 33.9 fl.oz set with 3 solutions (A, B and C)	26504

### ORIGINAL BALLING Refill Set

This set contains the three components of the ORIGINAL BALLING salts in individually measured packets, each making 5 l / 1.3 US gallons. This enables the user to mix each component without weighing anything.



#### TROPIC MARIN® ORIGINAL BALLING Refill Set

	Art.-N°
3 x 5 l pack (3 mixtures A, B and C each for 5 l / 1.3 US-gal. liquid)	26554
6 x 5 l pack (2 x 3 mixtures A, B and C each for 5 l / 1.3 US-gal. liquid)	26564