Aquavitro Balance

A frequent occurence in reef systems is low pH, while calcium and alkalinity are at optimal levels. Raise one and the others may fall. One of the primary reasons for this is an improper carbonate/bicarbonate ratio. The buffer ratio changes as a natural consequence of the bufferâ€™s ability to counteract acidifying sources such as organic acids (produced naturally from waste) or introduced from non-pH controlled husbandry products. In this case, adding more buffer would unnecessarily result in a rise in alkalinity and a drop in calcium. The first product of its kind, balanceâ„¢ ends this see-saw effect. It resets this ratio by converting bicarbonate into carbonate in order to reassert a higher pH without affecting calcium level.

balanceâ„¢ is an optimized blend of sodium and potassium hydroxides with a NSW ratio (27:1) of sodium to potassium to avoid ionic imbalance with long term use.

aquavitroâ„¢ offers other solutions designed to address the unique challenge of raising pH in a reef environment. ionsâ„¢ addresses the problem of low magnesium which is a cause of low buffering pK and pH. eight.fourâ„¢ addresses deficiencies in pK found in competing products by providing a properly balanced (carbonate/bicarbonate) buffer system. Directions

When to use balanceâ„¢? balanceâ„¢ is intended to be used to raise pH when all other parameters (alkalinity, calcium, magnesium) are at optimal levels, but pH is still low. The amount of balanceâ„¢ needed to raise pH to the desired level will vary widely, depending upon the buffering capacity and quality of your tank water. For reference purposes only, one inner cap (7 ml) will raise 75 L (20 gallons*) of salt water by about 0.1 pH units. Note: each inner cap thread is approximately 2 mL. One full cap is 49 mL.

Add balanceâ„¢ in small increments, and check pH after at least 3 minutes before adding additional increments.

balanceâ„¢ can be used daily and within minutes of calcificationâ„¢, eight.fourâ„¢, and ionsâ„¢.

Use Seachemâ€™s MultiTestâ„¢: Marine pH & Alkalinity kit to check pH. Â