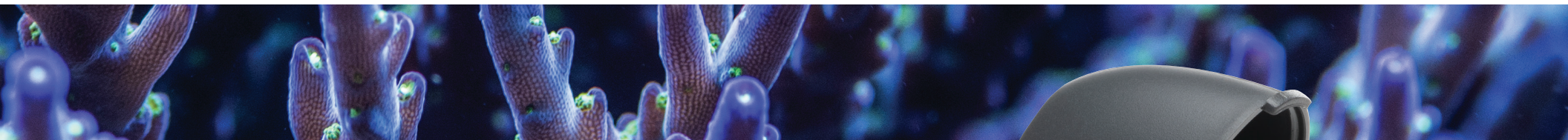




HI783 Checker[®]HC
**Marine Magnesium (ppm)
Handheld Colorimeter**





HI783 Checker®HC

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Magnesium is the third most abundant ion in seawater, surpassed only by sodium and chloride. Its abundance is critical in the formation of weak ion pairs with carbonate ions. This allows calcium and carbonate ions to be available for uptake by corals and invertebrates. Low levels of magnesium lead to low or unstable levels of calcium and alkalinity. Signs of low magnesium levels include precipitation of calcium as insoluble calcium carbonate and impaired inhabitant growth and health.

The HI783 Marine Magnesium Checker HC is a handheld colorimeter that uses the Beer-Lambert principle to determine the concentration of magnesium colorimetrically. The HI783 is designed specifically to measure magnesium levels in a saltwater aquarium or in marine biology applications. The 1000 to 1800 ppm range is ideal for coral/fish or fish-only aquarium maintenance.

- Ideal for aquariums and marine biology
- Easier to use and more accurate than chemical test kits
- Small size, big convenience

Specifications	
Range	1000 to 1800 ppm Magnesium
Resolution	5 ppm
Accuracy	±5% of reading @ 25 °C (77 °F)
Light Source	Light Emitting Diode @ 610 nm
Light Detector	silicon photocell
Method	adaptation of the colorimetric EDTA method using calmagite indicator
Environment	0 to 50 °C (32 to 122 °F); max. 95% RH non-condensing. Prepared sample cuvette (sample plus reagents) must be 18 to 28 °C (64 to 82 °F). Warm or cool prepared cuvettes if needed.
Battery Type	1.5V AAA alkaline
Auto Shut-off	after 10 minutes of non-use
Interferences	calcium below 300 ppm and above 500 ppm
Ordering Information	HI783 Checker HC is supplied with sample cuvette and cap (2 pcs.), Marine Magnesium reagent starter kit (reagents for 25 tests), 1 mL graduated syringe and tip (1 pc.), 5 mL syringe and tip with black printing (1 pc.), 5 mL syringe and tip with blue printing (1 pc.), 1.5V AAA Alkaline battery (1 pc.), instruction manual, and quick-reference guide.
Accessories	HI783-25 reagents for 25 Marine Magnesium tests HI783-11 Marine Magnesium certified standard kit



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