


# Calcium Ultra High Marine<sup>1</sup> & Total Hardness Ultra High Marine test procedure

- 1 TURN METER ON**  
Press the **(ON ZERO)** button to power the meter on; the display will show annunciators, followed by the current selection. It will then display the last reading.
- 2 SELECT GROUP & MENU**  
Press and re-press the **(SELECT)** button to **Select Group**. Press and re-press the **(MENU)** button to select the test parameter (see chart on page 4 of your Smart Guide).
- 3 RINSE & FILL CELL WITH SAMPLE**  
Rinse the **CELL** at least 3 times with the water sample you will be testing—rinsing minimizes the potential for cross-contamination from a previous test. Finally, using the supplied syringe, carefully add exactly 3.0mL of water sample to the **CELL**. NOTE: Make sure there are no air bubbles present in the syringe when measuring the 3.0mL sample.

 Follow the steps to 'SELECT CUSTOMER' & 'CONNECT DEVICE VIA BLUETOOTH' before proceeding (see page 8).

- 4 ADD DROPS**  
Using the selected bottle of reagent, add the required drops (see chart below) and cover the **CELL** with the **CELL COVER**. *Precaution: Ensure that the bottle is straight when dispensing drops.*
- 5 ZERO METER\***  
Press the **(ON ZERO)** button. The cursor will move across the display followed by **0 PPM**. This will indicate that the sample is ready for testing.
- 6 DIP STRIP & PRESS READ**  
Using the required strip (see chart below), dip strip into the **CELL**, and immediately press **(READ)** to initiate a 20 second countdown. Move the strip using a gentle back and forth motion (approx. 2 strokes/sec). **Remove and discard the strip after "1" on the display disappears.**\* The cursor will move across the display while the meter prepares to measure the sample. Record the value displayed for the respective parameter. This value is automatically stored in its **MENU** and if using the eXact iDip<sup>®</sup> app, the result will be saved in the app's **'RESULTS'**. After testing, rinse **CELL** immediately and clean with the brush.

Parameter / Test	Part No.	Count-up Time	Reagents Used
Calcium, Ultra High (marine)	486668-K	Immediate	CAH Strip and 2 drops CAH
Hardness, Total Ultra High Marine	486669-K	Immediate	THU Strip and 10 drops THU

## Calcium & Total Hardness Ultra High Marine (SPECIAL NOTES)

<sup>1</sup> **Calcium Ultra High Marine & Total Hardness Ultra High Marine** — **A.** These tests are volume dependent, so do not spill or splash sample out of cell. For optimal accuracy, the proper water sample to reagent ratio must be maintained. **B.** When filling the syringe in step 3, make sure there are no air bubbles present in the syringe. **C.** To obtain optimal accuracy when testing in direct sunlight, use the Mixing Cap/Cell Cover when zeroing and reading the sample. **D.** It is recommended to use the Cell Cleaning Brush with water to clean the **CELL** after each test to remove reagents which coat the **CELL** wall. **E.** Be careful while dipping the strip (step 6). Do not spill the sample from the **CELL**. **F.** The eXact<sup>®</sup> Reagent CAH color may change to pink over the course of time. This will not affect testing results.

\*For best accuracy, when testing outdoors in sunlight, place cap over cell cover