

# High Range Chloride test procedure

This test requires a 1:20 dilution of the salt system sample – Mini Dilution Kit (Part No. 487202)

## 1 PREPARE SAMPLE FOR TESTING

Using the **Mini Dilution Kit** (Part No. 487202) and **Distilled** or **Deionized** (salt-free water) prepare a 1 to 20 (1:20) dilution of your sample.

### PREPARE DILUTION SAMPLE

1. Rinse the syringe 3 times with salt system sample that you want to test by moving the plunger up and down.
2. Rinse 50 mL graduated conical tube with distilled or deionized (salt-free) water.
3. Rinse the 3.0 mL syringe with water sample to be tested. Fill the 3.0 mL syringe to the 2.0 mL line precisely (plunger ring should line up at the 2.0 mL line and little or no air bubble should be present).
4. Add the syringe content (2.0 mL salt system sample) to the clean 50 mL graduated conical tube by pushing the plunger all the way down to expel sample.
5. Fill the graduated conical tube to the 40 mL line with distilled or deionized (salt-free) water and place cap on top.
6. Mix content of graduated conical tube by turning upside down at least 3 times.

**Sample is now ready for testing.**

## 2 REMOVE STRIPS

Remove 1 **eXact® Strip Micro Chloride** Part No. 486757 from the bottle before beginning the test. Set the strip in a dry, convenient place and recap the bottle immediately.

## 3 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.

## 4 SELECT GROUP & MENU

Press and re-press the **SELECT** button to **Select Group 3**. Press and re-press the **MENU** button to select the **CHH** test parameter.

## 5 RINSE & FILL CELL WITH SAMPLE

Using the 1:20 Dilution Sample prepared above, rinse the **CELL** 3 times. Then fill the **CELL** to capacity with the 1:20 Dilution Sample.

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

## 6 ZERO METER\*

Press the **ON ZERO** button. The cursor will move across the display followed by **0.00 PPM**. This will indicate that the sample is ready for testing.

## 7 DIP STRIP & PRESS READ

Dip the **Chloride III** strip into the **CELL**, and immediately press **READ**. This starts a 20 second countdown timer. During this time, move the strip in 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 measures the sample. Record the result displayed (this result is automatically stored in **CHH MENU** and, if using the eXact iDip® app, will be stored in the app's **'RESULTS'**). If result is greater than 999ppm (ex. 1250ppm), a small "0" will appear at far right of the display. This "0" represents the one's digit (see image at right). After testing is completed, rinse **CELL** immediately and clean with brush.

