








Total Iron test procedure

To ensure accurate results, do not run this test immediately after a sulfide test

- 1 TURN METER ON**
Press the  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  button to **Select Group 2**. Press and re-press the  button to select the **FE** test parameter.
- 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, fill **CELL** to capacity with the water sample.

 Follow the steps to ‘**SELECT CUSTOMER**’ & ‘**CONNECT DEVICE VIA BLUETOOTH**’ before proceeding (for instructions, see page 8).

- 4 ADD REDUCER**
Tilt the meter to discard about 0.2 mL sample in order to leave room for reagent. Add the contents of one **eXact® Reagent EZ Open REDUCER** (Part No. 486601) to the **CELL** and cover the **CELL** with the mixing cap. Press  to start the 20 second countdown timer. Place thumb over **CELL COVER** to secure in place and mix the sample by turning the meter upside-down repetitively. **When countdown displays ‘1’**, hold the meter upright and the cursor will flash. At this time the meter will begin a 40 second count up. After the count up, a result will be displayed (ignore this result).
- 5 ZERO METER***
Press the  button. The cursor will move across the display followed by **0.00 PPM**. This will indicate that the sample is ready for testing.
- 6 DIP STRIP & PRESS READ**
Dip the **eXact® Strip Micro FE (TPTZ)** (Part No. 486631) into the **CELL** and immediately press . This starts the 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 meter will automatically start to count up for 40 seconds. At the end, the cursor will move across the display while the meter prepares to measure the sample. Record result displayed (this value is automatically stored in the **FE MENU**, and if using the eXact iDip® app, will be stored in the app’s ‘**RESULTS**’).

After testing is completed, rinse **CELL** immediately and clean with brush.

Total Iron (SPECIAL NOTES)

Total Iron — **A.** First, clean the **CELL** with 0.1N HCl, Distilled Vinegar (5%), or Muriatic Acid (diluted 1:40 with H₂O) before testing. **B.** If running multiple tests in a row, using the same water sample, the **CELL** does not have to be rinsed or cleaned with acid between each test. It is recommended that the **CELL** be rinsed 3 times with the sample water.

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