

PERMANGANATE TEST PROCEDURE



The Permanganate test procedure utilizes the **STANDARD STRIP METHOD** using the eExact iDip® Smart Photometer System®. For tips on achieving best accuracy, and additional information regarding features of the eExact iDip® photometer and the eExact iDip® app, please refer to the eExact iDip® Smart Guide. You can download a copy on our website at exactidip.com. **Test procedures can vary from test to test. Read full instructions and watch instructional video within the app.**

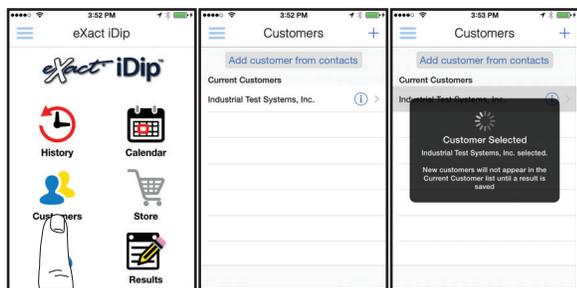
YOU WILL NEED

- eExact iDip® photometer
- Your smartphone/tablet with the eExact iDip® app installed and Permanganate (DPD-1) PM test purchased in the Store
- (1) eExact® Strip Micro Permanganate (Part No. 486626)
- Water sample for rinsing and testing

1 SELECT CUSTOMER

- Select **'Customers'** from the Home screen.
- Choose customer from list
 - OR** Tap **'Add customer from contacts'** and choose customer from your contacts list
 - OR** Tap **'+'** to create a new customer
- Android users: If no address is found, tap "No addresses found"
- c. Verify customer has been selected

Note: To take full advantage of the GPS and Data Storage features, each test result must be linked to a contact. Individual users may select their contact listing.



a

b

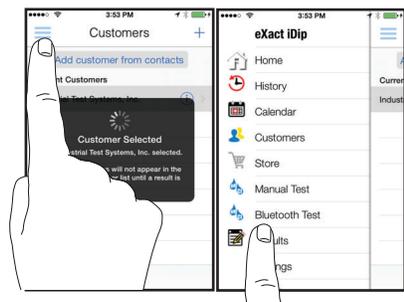
c

2 POWER ON EXACT IDIP®

Press the **ZERO/ON** button to power on the eExact iDip® photometer.

3 SELECT BLUETOOTH TEST

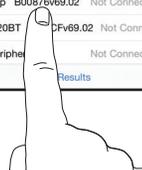
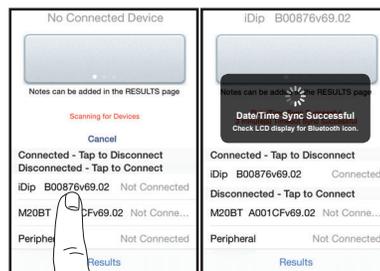
Tap the menu slide out **'≡'** and select **'Bluetooth Test'** from the choices shown.



4 CONNECT EXACT IDIP®

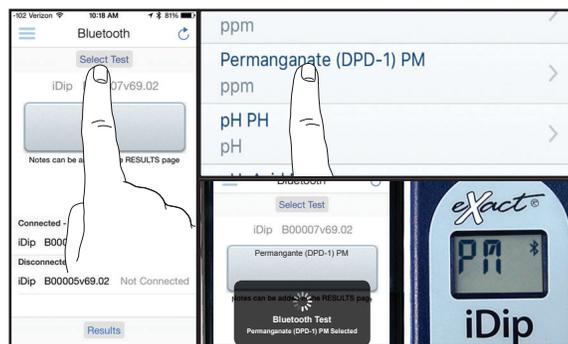
The eExact iDip® app will automatically connect to the most recently used eExact iDip® photometer. If not, select your eExact iDip® from the bottom of the screen.

Note: Always connect your eExact iDip® photometer via the Bluetooth® connection within the app. If you experience an issue connecting your device, check that your smartphone/tablet's Bluetooth® is turned on and your device is compatible.



5 SELECT TEST

Tap **'SELECT'** Test' at the top and select **Permanganate (DPD-1) PM** (if this is not visible, purchase the test from the Store). The eExact iDip® photometer and eExact iDip® app will both display the test selection for **Permanganate**.



6 FILL CELL

Before testing, rinse CELL and clean with brush thoroughly. Finally, rinse the cell 3 times with the water sample to be tested, then **FILL** cell to capacity to begin test (refer to video in app).



7 CAP CELL AND ZERO METER

Place the Cell Cover onto the CELL and press **ZERO/ON** and the eXact iDip® photometer display reads 0_{PPM} indicating the meter is ready for testing.



8 REMOVE STRIP

Remove one eXact® Strip Micro Permanganate (Part No. 486626) and set in a dry, convenient place. Immediately replace cap on set in bottle.



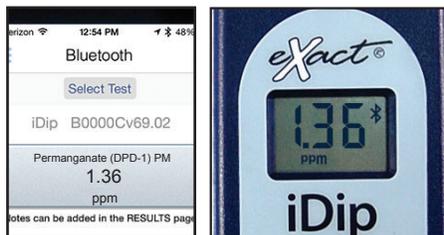
9 DIP STRIP

Press **READ** to initiate a 20 second countdown and simultaneously **DIP** the eXact® strip in the sample, gently touching the bottom of the cell. Use a gentle constant back and forth motion (2 strokes per second) until the timer displays "1". Remove and discard the strip.



10 CAP CELL AND READ RESULTS

Place the Cell Cover onto the CELL and **READ** result displayed as Permanganate.



11 CLEAN CELL WITH BRUSH

After testing, rinse CELL immediately and clean with brush to remove reagents which coat the CELL wall.



TIPS

- Due to the manufacturing process, you may find one or two strips that are noticeably smaller or larger in width than the normal strips in the bottle. These should be discarded. Using these strips may give unreliable results.
- Before running test unlock Permanganate test by purchasing in the Store.
- To obtain optimal accuracy when testing in direct sunlight, use the Cell Cover when zeroing and reading the sample.
- 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.
- DPD will stain the CELL wall if allowed to remain in the CELL. To remove staining, rinse cell thoroughly and fill with water then add two (2) drops of bleach (5%-8%) and clean with brush until stain is removed. Caution: Avoid contact of bleach with eyes and clothing.
- Be careful while dipping the strip (step 9). Do not spill the sample from the CELL.
- For a list of possible interferences with this test, see eXact iDip® Micro CL Interferences chart in your eXact iDip® Smart Guide.

MANAGE YOUR RESULTS

Save, send, and share results instantly using the eXact iDip® app. For step-by-step instructions, refer to the eXact iDip® Smart Guide. You can download a pdf copy on-line at exactdip.com.

