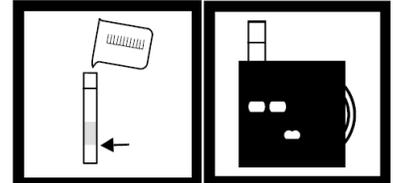


pH Test Procedure

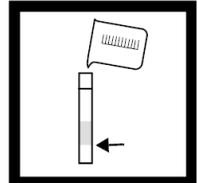
For accurate test results please read the procedure before beginning the test.

1. Before beginning actual test locate the test tubes. Rinse each test tube with river water. Fill each test tube with water, stopper the tube and shake vigorously. Empty the tube and begin the following procedure.

2. Fill a test tube to the **5.0 ml line** with river water (This is the lowest line on the tube, about 1 inch from the bottom of the tube). This is a “blank” so that the color wheel can reflect through something clear in order compare the color of the treated sample.

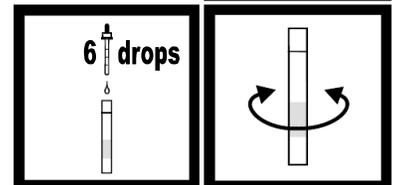


3. Locate the color comparator and color wheel. Snap the color wheel into the comparator. Place the “blank” tube in the left slot of the comparator (the slot that is not next to the wheel).



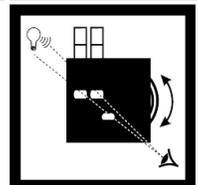
4. Fill the other test tube to the **5.0 ml line** with river water (This is the lowest line on the tube, about 1 inch from the bottom of the tube).

5. Locate the **pH Indicator Solution**. Add **6 drops** of the indicator solution to the test tube.



6. Stopper tube and swirl to mix. Let sample set for 1 minute.

7. Place this second tube in the top right opening of the color comparator next to the color wheel.



8. Look through the openings in the front of the comparator. Hold the comparator up to a light source such as the sky, a window or light, and view through the openings in the front of the comparator. Rotate the color wheel to obtain a color match between the prepared sample and the untreated clear river water.

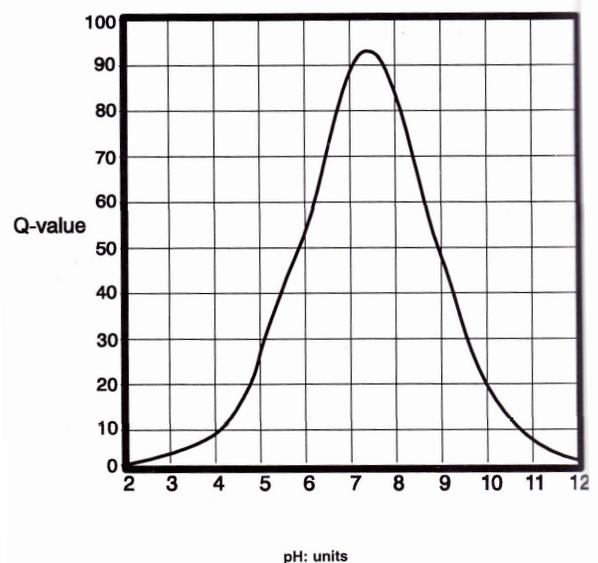
9. Read the pH through the scale window.

10. Locate the laminated sheet with the pH “Q-value” chart on it or use the one on this page.

11. Find the “Q-value” for the pH of the river water sample.

12. Is the pH of the river water sample healthy or unhealthy?

Please rinse out all tubes, pouring the rinse water into a waste water container. Be sure to place the color wheel back into its package and that the cap for the indicator solution is firmly screwed on.



Note: if pH < 2.0, Q = 0.0; if pH > 12.0, Q = 0.0