

COLOR WHEEL COMPARATOR TEST pH (6.8-8.4)

COMPONENTS:

- | | |
|-------------|---|
| 1 x 4028 | Pipet, Calibrated 0.5 mL, plastic w/cap |
| OR | |
| 1 x 4030 | Pipet, Calibrated 0.5 & 1.0 mL, plastic w/cap |
| 1 x 5409 | Instruction |
| 1 x 6003 | Brush, Cell Cleaner |
| 1 x 6009 | Filter Paper, 610, 9.0 cm, 100/box |
| 1 x 7081 | Comparator Case |
| 2 x 9016 | Test Cell, Calibrated (2.5, 5, 7.5, 10, 11.5, 14, 15, 20 mL), glass, with stopper |
| 1 x 9482 | Color Wheel, pH, 6.8-8.4 |
| 1 x R-1003T | pH Indicator Solution |

**TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE
800-TEST KIT (800-837-8548).**

PROCEDURE:

**CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS.
KEEP REAGENTS AWAY FROM CHILDREN.**

1. Open the comparator case (#7081) and insert the color wheel (#9482) oriented so that the numbers are readable. Close the comparator.
2. Fill two test cells (#9016) to the 11.5mL mark using the water being tested.
3. Add a stopper to one cell and place it in the left position of the comparator, so that the cell markings are out of view.
4. Using a pipet (#4028), add 0.5mL of pH indicator R-1003T to the remaining test cell. Add a second stopper and mix by inverting the cell several times.
5. Place the cell in the right position of the comparator, so that the cell markings are out of view. (Fig. 1)

6. Look through the comparator while facing a light source.

7. Rotate the color wheel until the color matches. (Fig. 2)

8. Read the result displayed in the lower opening on the front of the comparator. The number displayed is the sample pH. (Fig. 3)

NOTE: If sample color is between two values, pH is average of the two.

NOTE: To determine Acid or Base Demand, use treated sample from pH test. To LOWER pH, use R-0853. To RAISE pH, use R-0862. Add appropriate reagent dropwise. After each drop, invert to mix and compare with color wheel until desired pH is matched. Record number of drops. See treatment tables in 2004B guidebook.

Instr. #5409

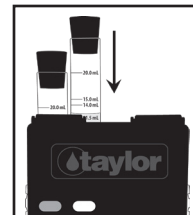


Fig. 1

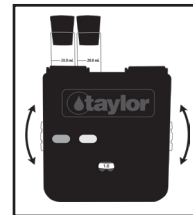


Fig. 2



Fig. 3



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