

Phosphate Test Kit
Orthophosphate Only, In Clear Water Samples
Model PO-14
Cat. No. 1475-00



Low Range Phosphate Test Instructions
0-4.5 mg/L

1. Fill both color viewing tubes to the 5-mL mark with the water to be tested.
2. Add four drops of Ammonium Molybdate Reagent to one of the tubes. Stopper and shake to mix.
3. Use the clippers to open one Phosphate 2 Reagent Powder Pillow. Add the contents of the pillow to the same tube. Stopper the tube, and invert repeatedly until the reagent powder is dissolved. If phosphate is present a blue color will develop. Do not wait longer than 15 minutes before proceeding to Step 4.
4. Place the tube of prepared sample in the right top opening of the color comparator (Prepared Sample Position in Figure 1).
5. Place the tube of untreated water in the left top opening of the color comparator (Untreated Sample Position in Figure 1).

WARNING: The chemicals in this kit may be hazardous to the health and safety of the user if inappropriately handled. Please read all warnings before performing the test and use appropriate safety equipment.

HACH COMPANY, P.O. BOX 389, LOVELAND, COLORADO 80359
TELEPHONE: WITHIN U.S. 800-227-4224, OUTSIDE U.S. 970-669-3050, TELEX: 160840

6. Hold the comparator up to a light source such as the sky, a window or lamp and view through the two openings in front. Rotate the disc to obtain a color match.
7. Read the mg/L phosphate (PO_4) through the scale window.

High Range Test Instructions

0-45 mg/L

The Phosphate Color Disc provides for direct phosphate measurement of up to 5 mg/L. If the phosphate is higher than 5 mg/L, it is necessary to perform the test using a diluted sample as directed in the following instructions.

1. Fill the dropper to the 0.5-mL mark with the water to be tested. Discharge the contents of the dropper into one color viewing tube. Repeat this procedure with the other viewing tube as well.
2. Fill both tubes to the 5-mL mark with demineralized water.
3. Add four drops of Ammonium Molybdate Reagent to one of the tubes. Stopper and shake to mix.
4. Use the clippers to open one Phosphate 2 Reagent Powder Pillow. Add the contents of the pillow to the same tube. Stopper the tube and invert repeatedly until the reagent powder is dissolved. If phosphate is present a blue color will develop. Do not wait longer than 15 minutes before proceeding to Step 4.
5. Place the tube of prepared sample in the right top opening of the color comparator (Prepared Sample Position in Figure 1).
6. Place the tube of untreated water in the left top opening of the color comparator (Untreated Sample Position in Figure 1).
7. Hold the comparator up to a light source such as the sky, a window or lamp and view through the two openings in front. Rotate the disc to obtain a color match.
8. Multiply the reading in the scale window by 10 to obtain the mg/L phosphate (PO_4).

REPLACEMENTS

Cat. No.	Description	Unit
110-37	Ammonium Molybdate Reagent	118 mL (4 oz) MDB*
272-28	Demineralized Water	118 mL (4 oz)
1061-99	Phosphate 2 Reagent Powder Pillows	pkg/100
936-00	Clippers	each
1732-00	Color Comparator	each
14197-00	Dropper	each
26231-00	Phosphate Color Disc	each
1731-00	Stopper for viewing tube	each
1730-00	Viewing Tube	each

*Marked Dropping Bottle

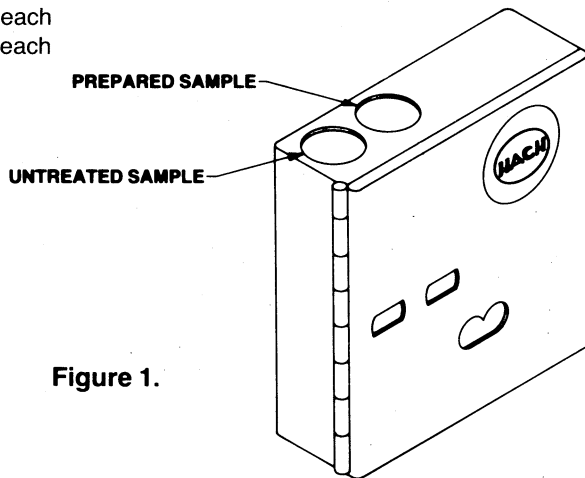


Figure 1.

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MADE IN U.S.A.

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