# PHOSPHATE TEST KIT
## MODEL P-POR • CODE 7068

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>CONTENTS</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 mL</td>
<td>*Phosphate Reagent A</td>
<td>*4606-H</td>
</tr>
<tr>
<td>100</td>
<td>*Phosphate B/C Tablets</td>
<td>*4607-J</td>
</tr>
<tr>
<td>1</td>
<td>Pipet, 1 mL, plastic</td>
<td>0354</td>
</tr>
<tr>
<td>1</td>
<td>Pipet, 0.5 mL, plastic</td>
<td>0353</td>
</tr>
<tr>
<td>1</td>
<td>Test Tube, 2.5-5-10-15-20 mL, glass w/cap</td>
<td>0970-S</td>
</tr>
<tr>
<td>4</td>
<td>Test Tubes, 5 mL, glass w/cap</td>
<td>0230</td>
</tr>
<tr>
<td>1</td>
<td>Distilled Water Ampoule, 5 mL</td>
<td>2748</td>
</tr>
<tr>
<td>1</td>
<td>Bi-Color Reader</td>
<td>2151</td>
</tr>
<tr>
<td>1</td>
<td>Phosphate Comparator, 10-100 ppm</td>
<td>7899</td>
</tr>
</tbody>
</table>

*WARNING:* Reagents marked with an * are considered to be potential health hazards. To view or print a Material Safety Data Sheet (MSDS) for these reagents see MSDS CD or www.lamotte.com. To obtain a printed copy, contact LaMotte by e-mail, phone or fax.

To order individual reagents or test kit components, use the specified code number.

Read instruction for Bi-Color Reader before performing the test.
**PROCEDURE**

**HIGH RANGE: 10-100 PPM PHOSPHATE (PO₄) 1:10 DILUTION**

1. Use the 1.0 mL pipet (0354) to add 1.0 mL of sample water to the test tube (0970-S).

2. Dilute to 10 mL line with distilled or phosphate free water.

3. Use the 0.5 mL pipet (0353) to carefully add 0.5 mL of *Phosphate Reagent A (4606).

4. Add one *Phosphate B/C Tablet (4607). Cap and gently mix until the tablet is dissolved. Wait 4 minutes.

5. Fill a 5 mL test tube (0230) to the 5 mL line with this reacted sample.


**NOTE:** If sample color is lighter than the lightest color standard, use the following procedure.

**LOW RANGE: 1-10 PPM PHOSPHATE (PO₄) UNDILUTED SAMPLE**

1. Fill the test tube (0970-S) to the 10 mL line with sample water.

2. Use the 0.5 mL pipet (0353) to carefully add 0.5 mL of *Phosphate Reagent A (4606).

3. Add one *Phosphate B/C Tablet (4607). Cap and gently mix until the tablet is dissolved. Wait 4 minutes.

4. Fill a 5 mL test tube (0230) to the 5 mL line with this reacted sample.

5. Insert test tube into Phosphate Comparator (7899). Match sample color to a color standard.

**IMPORTANT:** Divide the value obtained from the comparator by 10. Record as ppm Phosphate.

**CAUTION:** Do not use soaps or detergents containing phosphate to wash test tubes.

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