

When taking a reading, hold DipCell comparator so that you are looking above the horizon with sunlight coming over your shoulder.

Free Chlorine <b>Cl<sub>2</sub></b>	<ol style="list-style-type: none"><li>1 Fill DipCell to the fill line with sample.</li><li>2 Add 5 drops of DPD 1A (P-6740) and 5 drops of *DPD 1B (P-6741). Cap and invert to mix.</li><li>3 Match sample color to a color standard. Record result as ppm Free Chlorine.</li></ol>
Total Chlorine <b>Cl<sub>2</sub></b>	<ol style="list-style-type: none"><li>1 Remove cap and add 5 drops of DPD 3 (P-6743).</li><li>2 Cap and invert to mix.</li><li>3 Match sample color to a color standard. Record result as ppm Total Chlorine.</li></ol> <p><b>NOTE:</b>Total Chlorine - Free Chlorine = Combined Chlorine</p>
<b>pH</b>	<ol style="list-style-type: none"><li>1 If DipCell is empty, fill to line with sample.</li><li>2 Add 5 drops of pH Indicator (P-7026). Cap and invert to mix.</li><li>3 Match sample color to a color standard. Record as pH. If pH is not within desired range, retain sample for Acid/Base Demand test.</li></ol>
<b>Acid Base</b>	<ol style="list-style-type: none"><li>1 Remove cap from DipCell.</li><li>2 If pH is HIGH: Add *Acid (P-6068), one drop at a time, and mix until color matches desired pH. See chart for dosage recommendation.</li><li>3 If pH is LOW: Add Base (P-6460), one drop at a time and mix until color matches desired pH. See chart for dosage recommendation.</li></ol>

\*Potential Health Hazard: Read SDS at [www.lamotte.com](http://www.lamotte.com).  
Emergency information for all LaMotte reagents: Chem-Tel (US, 1-800-255-3924) (International, call collect, 813-248-0585).

Total Alkalinity <b>Alk</b>	<ol style="list-style-type: none"><li>1 Fill tube (0929) to the upper X10 line with sample.</li><li>2 Add 5 drops of *Alk 1 (P-7028). Swirl to mix.</li><li>3 Add *Alk Titrant (P-6111) dropwise while swirling until color changes from blue-green to RED. Record total drops.</li><li>4 Each drop equals 10 ppm Total Alkalinity.</li></ol> <p><b>NOTE:</b> For HIGH range tests: Fill to X20 line in Step 1. Each drop = 20 ppm Alkalinity.</p>
Calcium Hardness <b>Hard</b>	<ol style="list-style-type: none"><li>1 Fill tube (0929) to the lower X20 line with sample.</li><li>2 Add 5 drops of *Hard 1 (P-4259) and 5 drops of *Hard 2 (P-7030). Swirl to mix.</li><li>3 Add Hard Titrant (P-7031) dropwise while swirling until color changes from red through purple to BLUE. Record total drops.</li><li>4 Each drop equals 20 ppm Ca Hardness.</li></ol> <p><b>NOTE:</b> For LOW range tests: Fill to X10 line in Step 1. Each drop = 10 ppm Calcium Hardness</p>
Cyanuric Acid <b>CYA</b>	<ol style="list-style-type: none"><li>1 Remove square tube and cap from round tube. Fill round tube to top line with sample.</li><li>2 Add one *CYA tablet (6994A). Crush tablet with tablet crusher. Mix until disintegrated.</li><li>3 Insert square tube into round tube.</li><li>4 Viewing from above, adjust the square tube until the black dot just barely disappears. Read result in ppm CYA at water level WITHIN SQUARE TUBE.</li></ol> <p><b>NOTE:</b> To read above 100 ppm retest by adding sample to lower line, add tap water to top line. Multiply result by 2.</p>