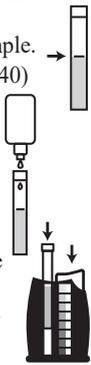


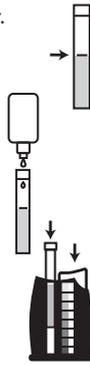
Free Chlorine

1. Slide Chlorine Octa-Slide 2 Bar (3401-01) into top of Viewer.
2. Fill tube to 5 mL line with sample.
3. Add 5 drops of DPD 1A (P-6740) and 5 drops of *DPD 1B (P-6741). Cap and invert to mix.
4. Insert tube into top of Octa-Slide 2 Viewer (1101).
5. Read test result from Octa-Slide 2 Bar in ppm Free Chlorine. Retain sample if Total Chlorine is to be tested.



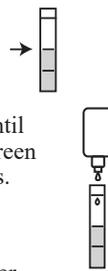
pH

1. Slide pH Octa-Slide 2 Bar (3403-01) into top of Viewer.
2. Fill tube to 5 mL line with sample.
3. Add 5 drops of pH Indicator (P-7026). Cap tube and invert to mix.
4. Insert tube into top of Octa-Slide 2 Viewer (1101).
5. Read test result from Octa-Slide 2 Bar in pH units. If pH is not in desired range, retain sample for Acid/Base Demand.



Alkalinity

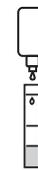
1. Fill tube to upper line with sample.
2. Add 5 drops of *Alk 1 (P-7028). Swirl to mix.
3. Add *Alk Titrant (P-6111) dropwise while swirling until color changes from blue-green to RED. Record total drops.
4. Each drop equals 10 ppm Total Alkalinity.



NOTE: If tube is filled to lower line, each drop equals 20 ppm Alkalinity

Ca Hardness

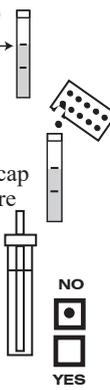
1. Fill tube to lower line with sample.
2. Add 5 drops of *Hard 1 (P-4259) and 5 drops of *Hard 2 (P-7030). Swirl to mix.
3. Add Ca Hard Titrant (P-7031) dropwise while swirling until color changes from red to BLUE. Record total drops.
4. Each drop equals 20 ppm Ca Hardness.



NOTE: If tube is filled to upper line, each drop equals 10 ppm Ca Hardness.

Cyanuric Acid

1. Fill small round tube (1161) to top line with sample.
2. Add one *Cyanuric Acid tablet (6994A). Cap and shake to dissolve.
3. Replace solid cap with calibrated square tube and cap collar (no brush). The square tube will fill with turbid liquid.
4. Viewing from above, adjust the square tube until the black dot just barely disappears. Read
5. result at water level within the square tube.



NOTE: For samples greater than 100 ppm, retest by adding sample to lower line, add tap water to top line. Follow steps 2-4. Multiply result by 2.

Total Chlorine

1. Remove cap from Free Chlorine sample and add 5 drops of DPD 3 (P-6743).
2. Cap tube and invert to mix.
3. Insert tube into top of viewer. Read test result from Octa-Slide 2 Bar in ppm Total Chlorine.



NOTE: Total Chlorine minus Free Chlorine equals Combined Chlorine.

Acid/Base Demand

1. Remove cap from pH tube in viewer. Leave pH Octa-Slide 2 Bar (3403-01) in Viewer.
2. If pH is High: add *Acid (P-6068) one drop at a time and mix, until desired color match occurs. Record number of drops.
3. See Table at right for recommended dosage.
4. If pH is Low: add Base (P-6460) one drop at a time and mix, until desired color match occurs. Record number of drops.
5. See Table at right for recommended dosage.



NOTE: For accurate results in pools with low pH and high alkalinity readings, the alkalinity level must be adjusted to the proper range before performing Base Demand test.

Acid Demand Table for Lowering pH / Muriatic Acid Required for Adjustment
Drops of Acid Solution Used

Gallons	1	2	3	4	5	6	7	8	9	10
500	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.8	9.9	11.0
1000	2.2	4.4	6.6	8.8	11.0	13.1	15.3	1.1	1.2	1.4
5000	11.0	1.4	2.1	2.7	3.4	4.1	4.8	5.5	6.2	6.9
10,000	1.4	2.7	4.1	5.5	6.5	8.2	9.6	11.0	12.3	13.7
20,000	2.7	5.5	8.2	11.0	13.7	16.4	19.2	21.9	24.6	27.4
50,000	6.9	13.7	20.5	27.4	34.2	41.4	47.9	54.8	61.6	68.5

Base Demand Table for Raising pH / Soda Ash Required for Adjustment
Drops of Base Solution Used

Gallons	1	2	3	4	5	6	7	8	9	10
500	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
1000	0.6	1.2	1.8	2.4	3.0	3.5	4.1	4.7	5.3	5.9
5000	3.0	5.9	8.9	11.8	14.7	1.1	1.3	1.5	1.7	1.8
10,000	5.9	11.8	1.1	1.5	1.8	2.2	2.6	3.0	3.3	3.7
20,000	11.8	1.5	2.2	3.0	3.7	4.4	5.2	5.9	6.6	7.4
50,000	1.8	3.7	5.5	7.4	9.2	11.1	12.9	14.7	16.6	18.4

Ounces (oz.)

Pounds (lbs.)

*Potential health hazard.
Read SDS at www.lamotte.com
Emergency information for all LaMotte reagents is available from Chem-Tel (US, 1-800-255-3924) (International, call collect, 813-248-0585).

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