CHLORINE - pH KIT

Code 6980-01 | Octa-Slide 2

LaMotte

QUANTITY	CONTENTS	CODE
200	DPD 1R Tablets	6999A-J
100	DPD 2R Tablets	6904A-J
200	DPD 3R Tablets	6905A-J
100	DPD 4R Tablets	6899A-J
200	Phenol Red Tablets	6915A-J
6	Test Tubes, 2.5-5-10 mL, plastic, w/caps	0106
1	Chlorine Octa-Slide 2 Bar, 0.1-1.0 ppm	3405-01
1	Chlorine Octa-Slide 2 Bar, 1.0-6.0 ppm	3404-01
1	Phenol Red pH Octa-Slide 2 Bar, 6.8-8.2	3403-01
1	Octa-Slide 2	1101

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

*Reagent is a potential health hazard. **READ SDS:** lamotte.com

Emergency information:
Chem-Tel USA 1-800-255-3924
Int'l, call collect, 813-248-0585

Warning! This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision.

USE OF THE OCTA-SLIDE 2 VIEWER

PROCEDURE 1: FREE AVAILABLE CHLORINE, MONOCHLORAMINE, DICHLORAMINE & TOTAL RESIDUAL CHLORINE

FREE AVAILABLE CHLORINE

1. Insert the Chlorine Octa-Slide 2 Bar, 0.1-1.0 ppm (3405-01) or Chlorine Octa-Slide 2 Bar, 1.0-6.0 ppm (3404-01) into the Octa-Slide 2 Viewer (1101).
2. Rinse the test tube (0106) with sample water. Fill to the 5 mL line with sample water.
3. Add one DPD 1R Tablet (6999A). Cap the test tube and mix until tablet disintegrates.
4. Immediately insert the tube into the Octa-Slide 2 Viewer (1101). Hold the Viewer so that non-direct light enters through the back. Match sample color to a color standard. Color matching should be completed within one minute from the addition of the DPD 1R Tablet. This is the Free Available Chlorine concentration of the test sample. Record as Reading A.
5. Retain this reacted sample for the Monochloramine Determination.

MONOCHLORAMINE

6. Insert the Chlorine Octa-Slide 2 Bar, 0.1-1.0 ppm (3405-01) or Chlorine Octa-Slide 2 Bar, 1.0-6.0 ppm (3404-01) into the Octa-Slide 2 Viewer (1101).
7. To the test sample from Step 5 above, add one DPD 2R Tablet (6904A). Cap the test tube and mix until tablet disintegrates.
8. Immediately insert the tube into the Octa-Slide 2 Viewer (1101). Hold the Viewer so that non-direct light enters through the back. Match sample color to a color standard. Record as Reading B. Any increase in color over Reading A is due to Monochloramine.

Reading B - Reading A = Monochloramine (ppm)

9. Retain this reacted sample for the Dichloramine determination.

DICHLORAMINE & TOTAL RESIDUAL CHLORINE

10. Insert the Chlorine Octa-Slide 2 Bar, 0.1-1.0 ppm (3405-01) or Chlorine Octa-Slide 2 Bar, 1.0-6.0 ppm (3404-01) into the Octa-Slide 2 Viewer (1101).
11. To the test sample from Step 9 above, add one DPD 3R Tablet (6905A). Cap the test tube and mix until tablet disintegrates.

12. Immediately insert the tube into the Octa-Slide 2 Viewer (1101). Hold the Viewer so that non-direct light enters through the back. Match sample color to a color standard. Record as Reading C. The increase in color over Reading B is due to Dichloramine.

Reading C - Reading B = Dichloramine (ppm)

13. Reading C also represents the Total Residual Chlorine content.

PROCEDURE 2: FREE AVAILABLE CHLORINE, COMBINED CHLORINE & TOTAL RESIDUAL CHLORINE

FREE AVAILABLE CHLORINE

1. Follow Steps 1 through 5 under Procedure 1. This is Reading A. Retain the reacted sample for the Combined Chlorine determination.

COMBINED CHLORINE & TOTAL RESIDUAL CHLORINE

2. Insert the Chlorine Octa-Slide 2 Bar, 0.1-1.0 ppm (3405-01) or Chlorine Octa-Slide 2 Bar, 1.0-6.0 ppm (3404-01) into the Octa-Slide 2 Viewer (1101).
3. To the test sample from Step 1 above, add one DPD 3R Tablet (6905A). Cap and mix until tablet disintegrates.
4. Immediately insert the tube into the Octa-Slide 2 Viewer. Hold the Viewer so that non-direct light enters through the back. Match sample color to a color standard. Record as Reading C. Any increase in color over Reading A is due to Combined Chlorine (Monochloramine plus Dichloramine).

Reading C - Reading A = Combined Chlorine (ppm)

5. Reading C also represents the Total Residual Chlorine content.

PROCEDURE 3: TOTAL RESIDUAL CHLORINE

The DPD #4R Tablet provides a one-step determination for Total Residual Chlorine and is used where it is not necessary to distinguish the separate Chlorine fractions.

1. Insert the Chlorine Octa-Slide 2 Bar, 0.1-1.0 ppm (3405-01) or Chlorine Octa-Slide 2 Bar, 1.0-6.0 ppm (3404-01) into the Octa-Slide 2 Viewer (1101).
2. Rinse the test tube (0106) with sample water. Fill to the 5mL line with sample water.
3. Add one DPD 4R Tablet (6899A). Cap and mix until tablet disintegrates.
4. Immediately insert the tube into the Octa-Slide 2 Viewer. Hold the Viewer so that non-direct light enters through the back. Match sample color to a color standard. Record as ppm Total Residual Chlorine.

PROCEDURE 4: BROMINE & IODINE

Bromine and Iodine may be determined by following the Free Available Chlorine test procedure and multiplying the comparator reading by the factors given below.

1. Follow Steps 1 through 4 under Procedure 1.
2. To determine parts per million Bromine, multiply the comparator reading from Step 4 by 2.2.

ppm Free Available Chlorine x 2.2 = ppm Bromine

3. To determine parts per million Iodine, multiply the comparator reading from Step 4 by 3.5. ppm

ppm Free Available Chlorine x 3.5 = ppm Iodine

PROCEDURE 5: pH

1. Insert Phenol Red Octa-Slide 2 Bar (3403-01) into the Octa-Slide 2 Viewer (1101).
2. Rinse the test tube (0106) with sample water. Fill to the 10 mL line with sample water.
3. Add one Phenol Red Tablet (6915A). Cap and mix until tablet disintegrates.
4. Insert test tube into Octa-Slide 2 Viewer. Hold the Viewer so that non-direct light enters through the back.
5. Match sample color to a color standard. Record as pH.

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