

LaMotte DPD Free, Total, & Combined Chlorine Octa-Slide Test Kit

Model SL-6 LaMotte Code 3308

Quantity	Contents	Code
50	*Chlorine DPD #1R Tablet	*6999-H
50	Chlorine DPD #3R Tablet	6905-H
2	Test Tubes, 10 mL, plastic w/cap	0101
1	Octa-Slide Viewer	1100
1	Chlorine Octa-Slide Bar, 0.2-3.0 ppm	3401

***WARNING:** Reagents marked with a * are considered hazardous substances. Material Safety Data Sheets (MSDS) are supplied for these reagents. For your safety read label and accompanying MSDS before using.

To order a complete set of refill reagents, order as R-3308. To order individual reagents or test components, use the specified code number.

Use of the Octa-Slide Viewer

The Octa-Slide Viewer should be held so non-direct light enters through the back of the Viewer. With sample tube inserted at top, slide the Octa-Slide through the viewer and match with color standards.

Check Standard Preparation - 1 ppm equivalent solution

EPA Accepted for NPDWR compliance monitoring. For compliance monitoring a Check Standard should be prepared.

1. Dissolve 891 mg of potassium permanganate in 1000 mL of distilled water in volumetric flask (1000 ppm equivalent solution). Prepare fresh daily.
2. Dilute 1 mL of this solution to 1000 mL with distilled water in volumetric flask. This solution is equivalent to 1 ppm Free Available Chlorine.

Procedure

To determine Free Available Chlorine follow steps 1-3. To determine Total Residual Chlorine and Combined Chlorine continue with steps 4-5.

1. Fill a test tube (0101) to the 10 mL line with sample water.
2. Add one *Chlorine DPD #1R Tablet (6999). Cap tube and shake until tablet disintegrates.
3. Immediately insert test tube into the top of the Octa-Slide Viewer (1100). Slide the Chlorine Octa-Slide Bar (3401) into the Viewer. Match sample color to a color standard. Record as ppm Free Available Chlorine. Retain this sample if Total Residual and Combined Chlorine are to be determined.
4. Add one Chlorine DPD #3R Tablet (6905) to the sample from Step 3. Cap and shake until tablet disintegrates.
5. Insert test tube into the Octa-Slide Viewer (1100). Match sample color to a color standard. Record as ppm Total Residual Chlorine from Free Available Chlorine.
6. To obtain Combined Chlorine, subtract Total Residual Chlorine from Free Available Chlorine.

Combined Chlorine, ppm = Total Residual Chlorine - Free Available Chlorine

NOTE: Thoroughly clean and rinse test tubes after each use.