

CHLORINE KIT

Code 3312-01 | Octa-Slide 2, 0.1-1.0 ppm



LaMotte

QUANTITY	CONTENTS	CODE
50	DPD #1R Tablets [6999A]	6905A-
50	DPD #3R Tablets [6905A]	6999ABOX
2	Test Tubes, plastic, 2.5-5-10 mL, w/ caps	0106
1	Octa-Slide 2 Viewer	1101
1	Chlorine Octa-Slide 2 Bar, 0.1-1.0 ppm	3405-01

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

This kit is for use in testing potable drinking water for Free Available Chlorine, Total Residual Chlorine, and Combined Chlorine.

EPA ACCEPTED PROCEDURE

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

CHECK STANDARD PREPARATION: 1 ppm equivalent solution

1. Prepare a stock solution containing 891 mg potassium permanganate diluted to 1 L with distilled water in a volumetric flask [1000 ppm equivalent solution]. Prepared fresh daily.
2. Dilute 1 mL of this solution to 1000 mL with distilled water in a volumetric flask. This solution is equivalent to 1 ppm Free Available Chlorine.

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PROCEDURES

FREE AVAILABLE CHLORINE

1. Insert Chlorine Octa-Slide 2 Bar [3405-01] into the Octa-Slide 2 Viewer [1101].		2. Fill a test tube [0106] to the 5 mL line with the water sample.		3. Add one DPD #1R Tablet [6999A].	
4. Cap and mix until tablet disintegrates.		5. Insert test tube into Octa-Slide 2 Viewer.		6. Hold the Viewer so that non-direct light enters through the back. Match sample color to a color standard. Record as ppm Free Available Chlorine.	

NOTE: Retain this sample if Total Residual Chlorine and Combined Chlorine are to be tested.

TOTAL RESIDUAL CHLORINE

7. Remove test tube from Octa-Slide 2 Viewer. Add one DPD #3R Tablet [6905A] to sample from Step 6.		8. Cap and mix until tablet disintegrates	
9. Insert test tube into Octa-Slide 2 Viewer.		10. 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.	

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

COMBINED CHLORINE

$$\text{COMBINED CHLORINE PPM} = \text{TOTAL RESIDUAL CHLORINE PPM} - \text{FREE AVAILABLE CHLORINE PPM}$$