

PHOSPHATE KIT

Code 4408-01 | Octa-Slide 2, 1-10 ppm



QUANTITY	CONTENTS	CODE
2 x 30 mL	*VM Phosphate Reagent	*4410-G
30 mL	Reducing Reagent	6405-G
1	Pipet, dropping, plastic	0352
1	Pipet, 1.0 mL, plastic	0354
1	Pipet, 0.5 mL, plastic	0353
2	Test Tubes, 2.5-10.0 mL, plastic, w/caps	0106
1	Phosphate Octa-Slide 2 Bar, 1-10 ppm	4414-01
1	Octa-Slide 2 Viewer	1101

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

\*Reagent is a potential health hazard. **READ SDS:** [lamotte.com](http://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

This test determines the levels of orthophosphates only.

NOTE: If sample water is cloudy, filter before testing.

1.0 - 10.0 ppm PHOSPHATE [PO<sub>4</sub>]

1. Insert the Phosphate Octa-Slide 2 Bar [4414-01] into the Octa-Slide 2 Viewer [1101].
2. Fill a test tube [0106] to the 5 mL line with sample water.
3. Use the 1.0 mL pipet [0354] to add 1.0 mL of \*VM Phosphate Reagent [4410]. Cap and mix by inverting several times. Wait 5 minutes.
4. Use the plain pipet [0352] to add 3 drops of Reducing Reagent [6405]. Cap and mix. Color will develop in 10 seconds.
5. Hold the Viewer so that non-direct light enters through the back. Insert test tube into the Octa-Slide 2 Viewer. Match sample color to a color standard. Record as ppm Phosphate [PO<sub>4</sub>].

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## 10 - 100 ppm PHOSPHATE ( $\text{PO}_4$ ): 1 to 10 DILUTION

1. Insert the Phosphate Octa-Slide 2 Bar [4414-01] into the Octa-Slide 2 Viewer [1101].
2. Use the 0.5 mL pipet [0353] to add 0.5 mL of sample water to a test tube [0106].
3. Dilute to 5 mL line with phosphate-free (distilled) water.
4. Use the 1.0 mL pipet to add 1.0 mL of \*VM Phosphate Reagent [4410]. Cap and mix by inverting several times. Wait 5 minutes.
5. Use the plain pipet [0352] to add 3 drops of Reducing Reagent. Cap and mix. Color will develop within 10 seconds.
6. Insert test 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. Multiply by 10. Record as ppm Phosphate ( $\text{PO}_4$ ).

CAUTION: Do not use soaps or detergents containing phosphates to wash test tubes.