



## PHOSPHATE KIT

OCTA-SLIDE 2, 1-10 ppm

CODE 4408-01

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

**\*WARNING:** Reagents marked with an \* are considered to be potential health hazards. To view or print a Safety Data Sheet (SDS) for these reagents go to [www.lamotte.com](http://www.lamotte.com). Search for the four digit reagent code number listed on the reagent label, in the contents list or in the test procedures. Omit any letter that follows or precedes the four digit code number. For example, if the code is 4450WT-H, search 4450. To obtain a printed copy, contact LaMotte by email, phone or fax.

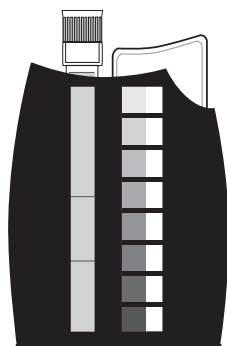
Emergency information for all LaMotte reagents is available from Chem-Tel: (US, 1-800-255-3924) (International, call collect, 813-248-0585).

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.

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

NOTES: This test determines the levels of orthophosphates only.

### USE OF THE OCTA-SLIDE 2 VIEWER



The Octa-Slide 2 Viewer should be held so non-direct light enters through the back of the Viewer. Insert the Octa-Slide 2 Bar into the Viewer. Insert the reacted sample into the top of the Viewer. Match the color of the reaction to the color standards.

## PROCEDURE

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

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

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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. Insert test tube into the Octa-Slide 2 Viewer. Match sample color to a color standard. Record as ppm Phosphate (PO<sub>4</sub>).

### 10 - 100 ppm PHOSPHATE [PO<sub>4</sub>]: 1 to 10 DILUTION

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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. Match sample color to a color standard. Multiply by 10. Record as ppm Phosphate (PO<sub>4</sub>).

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

## LaMOTTE COMPANY

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