



DPD CHLORINE KIT

OCTA-SLIDE 2, 0.2-3.0 ppm

CODE 3316-01

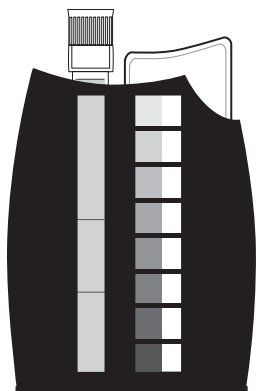
QUANTITY	CONTENTS	CODE
50	*Chlorine DPD #1 Tablets (*6999A)	6905A-
50	*Chlorine DPD #3 Tablets (*6905A)	6999ABOX
50	Chlorine DPD #2 Tablets (6904A)	6904A-
50	*Chlorine DPD #4 Tablets (*6906A)	6906ABOX
2	Test Tubes, plastic, w/caps	0106
1	Octa-Slide 2 Viewer	1101
1	Chlorine Octa-Slide 2 Bar, 0.2-3.0 ppm	3401-01

*WARNING: Reagents marked with an * are considered to be potential health hazards. To view or print a Material Safety Data Sheet (MSDS) for these reagents go to www.lamotte.com. To obtain a printed copy, contact LaMotte by e-mail, phone or fax.

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

This kit is used for testing water for Free Available Chlorine, Monochloramine, Dichloramine, and Total Residual Chlorine.

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 reacted sample into the top of the Viewer. Slide the Octa-Slide 2 Bar into the Viewer and match the color of the reaction to the color standards.

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

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PROCEDURE

FREE AVAILABLE CHLORINE

1. Fill a test tube (0106) to 5 mL line with sample water.
2. Add one *Chlorine DPD #1 Tablet (6999A). Cap and mix until tablet disintegrates. Solution will turn pink if chlorine is present.
3. Insert test tube into the Octa-Slide 2 Viewer (1101). Slide the 0.2 to 3.0 ppm Chlorine Octa-Slide 2 Bar (3401-01) into the viewer. Match sample color to a color standard. Record as Reading A. Save sample for further tests.

$$\text{Free Available Chlorine (ppm)} = \text{Reading A}$$

MONOCHLORAMINE

4. Add one Chlorine DPD #2 Tablet (6904A) to sample from Step 3. Cap and mix until tablet disintegrates.
5. Insert test tube into the Octa-Slide 2 Viewer (1101). Match sample color to a color standard. Record as Reading B.

$$\text{Monochloramine (ppm Chlorine)} = \text{Reading B} - \text{Reading A}$$

DICHLORAMINE & TOTAL RESIDUAL CHLORINE

6. Add one *Chlorine DPD #3 Tablet (6905A) to the sample from Step 5. Cap and mix until tablet disintegrates.
7. Insert test tube into the Octa-Slide 2 Viewer (1101). Match sample color to a color standard. Record as Reading C.

$$\text{Dichloramine (ppm Chlorine)} = \text{Reading C} - \text{Reading B}$$

$$\text{Total Residual Chlorine, ppm} = \text{Reading C}$$

TOTAL RESIDUAL CHLORINE & COMBINED CHLORINE

1. Rinse test tube (0106) with sample water. Fill to 5 mL line with sample water.
2. Add one *Chlorine DPD #1 Tablet (6999A). Cap and mix until tablet disintegrates.
3. Immediately insert test tube into the Octa-Slide Viewer (1101). Match sample color to a color standard. Record as ppm Free Available Chlorine.
4. Add one *Chlorine DPD #3 Tablet (6905A) to the same sample. Cap and mix until disintegrated.
5. Insert test tube into Octa-Slide 2 Viewer (1101). Match sample color to a color standard. Record as ppm Total Residual Chlorine.

$$\text{Combined Chlorine, ppm} =$$

$$\text{Total Residual Chlorine} - \text{Free Available Chlorine}$$

TOTAL RESIDUAL CHLORINE

The *Chlorine DPD #4 Tablet determines Total Residual Chlorine and is used where a differentiation in the type of chlorine is not required.

1. Rinse the test tube (0106) with sample water. Fill to 5 mL line with sample water.
2. Add one *Chlorine DPD #4 Tablet (6906A). Cap and mix until tablet disintegrates.
3. Insert test tube into Octa-Slide 2 Viewer (1101). Match sample color to a color standard. Record as ppm Total Residual Chlorine.