



## FAS-DPD CHLORINE KIT

DROP COUNT, 1drop = 0.2 ppm or 0.5 ppm

CODE 7514-01

QUANTITY	CONTENTS	CODE
5 g	*DPD #1 Powder	*6807-C
50	*Chlorine DPD #3R Tablets	*6905A-J
60 mL	Chlorine/Bromine Titrant	3992WT-H
1	Test Tube, 0.2-0.5, plastic, w/cap	0708
1	Spoon, 0.1g, plastic	0699

**\*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.

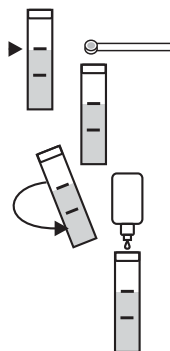
Emergency information for all LaMotte reagents is available from Chem-Tel (US, 1-800-255-3924) (International, call collect, 813-248-0585).

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

### FREE CHLORINE

#### ONE DROP = 0.2 ppm or 0.5 ppm

1. Fill test tube (0708) with sample water to the X0.2 line to obtain in 0.2 ppm increments or X0.5 line to obtain in 0.5 ppm increments.
2. Use the 0.1g spoon (0699) to add 0.1g of \*DPD #1 Powder (6807). Cap and gently swirl until powder dissolves. Solution will turn red if chlorine is present.
3. While gently swirling tube, add Chlorine/ Bromine Titrant (3992WT) one drop at a time until red color disappears. Hold bottle vertically. Count the number of drops added.
4. Multiply the number of drops used in Step 3 by 0.2 if measured in filled to the X0.2 line or 0.5 if filled to the X0.5 line. Record as ppm Free Available Chlorine.



## BROMINE

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Multiply Free Available Chlorine results by 2.25.

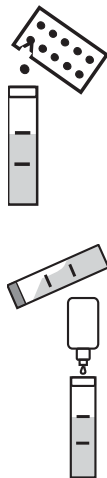
## TOTAL CHLORINE

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ONE DROP = 0.2 ppm or 0.5 ppm

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5. To determine total chlorine, add one \*Chlorine DPD #3R Tablet (6905A) to the solution from Step 4. Cap and mix until tablet disintegrates. The reappearance of a red color indicates combined chlorine.
6. Continue adding Chlorine/Bromine Titrant until the red color again disappears.
7. Multiply the total number of drops used in Step 3 plus Step 6 by 0.2 if measured in 0.2 ppm or 0.5 if measured in 0.5 ppm. Record as ppm Total Residual Chlorine.
8. Subtract Free Available Chlorine from Total Residual Chlorine. Record as ppm Combined Chlorine.



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