



# DC1500 CHLORINE | Quick Guide

DPD Liquid

## ANALYSIS - CHLORINE



### PROCEDURE – FREE CHLORINE

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1.	Fill Water Sample Collecting Bottle [0688] with sample water.
2.	Press and hold  until colorimeter turns on.
3.	Press  to select <b>Testing Menu</b> .
4.	Scroll to and select <b>024 Chlorine L DPD</b> from menu.
5.	Rinse tube [0290] with sample water. Fill to the 10 mL line. Cap and wipe dry.
6.	Insert tube. Close lid. Select <b>Scan Blank</b> .
7.	Remove tube. Add 5 drops DPD 1A Free Chlorine Reagent [P-6740] and 5 drops of *DPD 1B Free Chlorine Reagent [P-6741]. Cap tube. Invert to mix.
8.	Immediately insert tube into chamber. Close lid. Select <b>Scan Sample</b> . Record result as <b>FREE CHLORINE</b> .

### PROCEDURE – COMBINED CHLORINE

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9.	Remove tube. Add 5 drops *DPD 3 Total Chlorine [P-6743]. Cap tube. Invert to mix.
10.	Insert tube into chamber. Close lid. Select <b>Scan Sample</b> . Record result as <b>TOTAL CHLORINE</b> .
11.	Subtract free chlorine reading from total chlorine reading to obtain concentration of <b>COMBINED CHLORINE</b> .
12.	Press  to turn off the colorimeter or press  to exit to a previous menu or make another menu selection.

\*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].

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### CALIBRATION

#### Chlorine Standards

Calibrate meter with free chlorine standards. Use a distilled or deionized water blank and one chlorine standard of known concentration.

### CHLORINE CALIBRATION PROCEDURE

1.	Press and hold  until colorimeter turns on.
2.	Press  to select <b>Testing Menu</b> .
3.	Scroll to and select <b>024 Chlorine L DPD</b> from menu.
4.	Rinse tube [0290] three times with the chlorine standard. Fill the tube to the 10 mL line. Cap tube. Dry tube.
5.	Insert tube. Close lid. Select <b>Scan Blank</b> .
6.	Remove tube. Add 5 drops DPD 1A Free Chlorine Reagent [P-6740] and 5 drops of *DPD 1B Free Chlorine Reagent [P-6741]. Cap tube. Invert to mix.
7.	Immediately insert tube. Close lid. Select <b>Scan Sample</b> .
8.	Press  to scroll to <b>Calibrate</b> .
9.	Press  to select <b>Calibrate</b> .
10.	Press  or  to scroll to the concentration of the standard.
11.	Press  to save the value. Press  and  at any time to return to the default value.

CAUTION: DO NOT leave reacted samples in test tubes.

NOTE: For the most accurate results, samples over 6 ppm chlorine should be diluted with chlorine demand free water and re-tested.

For additional information see the DC1500-CL manual.

NOTE: Use the AC wall adapter to rapidly charge the meter.

Reinsert the USB port plug after charging.

WARNING: Only use the USB cable [1720-01] that is supplied with the kit. Make no substitutions.



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