

Instr. #5697

**COLOR COMPARISON TEST**  
**FREE, COMBINED & TOTAL CHLORINE (0.5-5 ppm)**  
**IN THE PRESENCE OF MONOPERSULFATE**

**COMPONENTS:**

|              |  |
|--------------|--|
| 1 x 4028     | Pipet, Calibrated (0.5 mL) w/ cap, plastic     |
| 1 x 5697     | Instruction                                    |
| 1 x 9198     | Sample Tube, Graduated (25 mL) w/ cap, plastic |
| 1 x R-0867-A | Deox Reagent, .75 oz                           |

**TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE  
800-TEST KIT (800-837-8548).**

**PROCEDURE:**

**CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS.**

**KEEP REAGENTS AWAY FROM CHILDREN.**

**NOTE:** The presence of potassium monopersulfate in water will interfere with DPD chlorine tests. Use R-0867 and the instructions provided in this kit, in combination with R-0001, R-0002, R-0003, and the *sureCHECK* comparator for chlorine to determine free, combined, and total chlorine when using monopersulfate.

**Free, Combined & Total Chlorine Test**

1. Rinse and fill sample tube (#9198) to 10 mL mark with water to be tested.
2. Add 5 drops R-0001 and 5 drops R-0002, and QUICKLY swirl to mix. Using 0.5 mL pipet (#4028), IMMEDIATELY add 0.5 mL R-0867 and QUICKLY swirl to mix.
3. Pour sample into chlorine/bromine cell to mark. Match color IMMEDIATELY. Record as parts per million (ppm) free chlorine ( $\text{Cl}_2$ ). DO NOT discard treated sample left in sample tube.

4. IMMEDIATELY pour the water from cell back into sample tube and add 5 drops R-0003. Swirl to mix. Pour this sample into chlorine/bromine cell to mark and match color. Record as parts per million (ppm) total chlorine ( $\text{Cl}_2$ ). Discard sample water in cell and sample tube.
5. Subtract free chlorine (FC) from total chlorine (TC). Record as parts per million (ppm) combined chlorine (CC).  
Formula:  $\text{TC} - \text{FC} = \text{CC}$ .



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