

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 comparator block (part #9782) in the K-1001, K-1004, and K-1005 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. After mixing, PROMPTLY 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 (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 (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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