DROP TEST
FREE & COMBINED CHLORINE (1 drop = 0.2 or 0.5 ppm)

Instr. #5223

COMPONENTS:

1 x 5223	Instruction
1 x 9198Y	Sample Tube, Graduated (25 mL) w/ cap & yellow dot, plastic
1 x R-0003	DPD Reagent #3, DB
1 x R-0870	DPD Powder
2 x R-0871	FAS-DPD Titrating Reagent (chlorine), DB

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: When dispensing reagents from dropper bottles, **always** hold bottle in a vertical position.

Free & Combined Chlorine Tests

1. Rinse and fill sample tube (#9198Y) to desired mark with water to be tested.

NOTE: For 1 drop = 0.2 ppm, use 25 mL sample.
For 1 drop = 0.5 ppm, use 10 mL sample.

2. Add 2 dippers R-0870 DPD Powder. Swirl until dissolved. Sample will turn pink (Fig. 1) if free chlorine is present.

NOTE: If pink color disappears or no pink color develops, add R-0870 DPD Powder until color turns pink.

3. Add R-0871 FAS-DPD Titrating Reagent (chlorine) dropwise, swirling and counting after each drop, until color changes from pink to colorless.

4. Multiply drops in Step 3 by drop equivalence (Step 1). Record as parts per million (ppm) free chlorine (Cl_2).

5. Add 5 drops R-0003 DPD Reagent #3. Swirl to mix. Sample will turn pink (Fig. 1) if combined chlorine is present.

6. Add R-0871 FAS-DPD Titrating Reagent (chlorine) dropwise, swirling and counting after each drop, until color changes from pink to colorless.

7. Multiply drops in Step 6 by drop equivalence (Step 1). Record as parts per million (ppm) combined chlorine (Cl_2).

Range Limitations:

0–20 ppm Free and Combined Chlorine

Fig. 1

taylor
31 Loveton Circle, Sparks, MD 21152 USA
800-TEST KIT (837-8548) • 410-472-4340

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