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

COMPONENTS:

1 x 5216 Instruction

1 x 9198Y Sample Tube, Graduated (25 mL) w/ cap & yellow dot, plastic

1 x R-0003-C DPD Reagent #3, 2 oz, DB 1 x R-0870-l DPD Powder, 10 g

1 x R-0870-I DPD Powder, 10 g 2 x R-0871-C FAS-DPD Titrating Reagent (chlorine), 2 oz, 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, 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.).
- 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 (Cl₂).



Fig. 1