DROP TEST
TOTAL CHLORINE (1 drop = 1 ppm)

Instr. #5376

COMPONENTS:

1 x 4026	**Dipper Spoon, 2 g, plastic, white**
1 x 4078	**Pipet, Graduated (.05 & 1.0 mL) w/ cap, plastic**
1 x 5376	**Instruction**
1 x 9198	**Sample Tube, Graduated (25 mL) w/ cap, plastic**
1 x R-0636-C	**Starch Indicator Solution, DB**
1 x R-0664-C	**Bleach Reagent #1**
1 x R-0665S-II	**Bleach Reagent #2**
1 x R-0747-C	**Sodium Thiosulfate, 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.

Total Chlorine Test

1. Rinse and fill 25 mL sample tube (#9198) to 25 mL mark with water to be tested.
2. Using 1.0 mL pipet (#4030), add 1 pipetful (as much as can be drawn up by means of the bulb) R-0664 Bleach Reagent #1. Swirl to mix.
3. Using 2 g dipper spoon (#4026), add 1 level dipper R-0665S Bleach Reagent #2. Swirl until dissolved. Sample will turn deep yellow (Fig. 1) or brown (Fig. 2) if chlorine is present.
4. Add R-0747 Sodium Thiosulfate dropwise, swirling and counting after each drop, until color changes from deep yellow or brown to pale yellow (Fig. 3).
5. Add 10 drops R-0636 Starch Indicator Solution. Swirl to mix. Sample will turn blue (Fig. 4).
6. Continue adding R-0747 Sodium Thiosulfate dropwise, swirling and counting after each drop, until color changes from blue to colorless.
7. Record total drops of R-0747 Sodium Thiosulfate (Steps 4 & 6) as parts per million (ppm) total chlorine (Cl_2).

(OVER)

Fig. 1

Fig. 2

Fig. 3

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Fig. 4

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