COLOR COMPARISON TEST
FREE, COMBINED & TOTAL CHLORINE (0.1-2.0 ppm)
pH (6.8-8.2)

COMPONENTS:

Chlorine

1 x R-0001-A	**DPD Reagent #1, .75 oz, DB**
1 x R-0002-A	**DPD Reagent #2, .75 oz, DB**
1 x R-0003-A	**DPD Reagent #3, .75 oz, DB**

pH

1 x 4028	**Pipet, Calibrated (0.5 mL) w/ cap, plastic**
1 x R-1003J-A	**pH Indicator Solution (Phenol Red), .75 oz**

APPARATUS:

1 x 3243	**Cap, Test Cell (11.5 mL), plastic**
1 x 4024	**Test Cell, Calibrated (11.5 mL), plastic**
1 x 5147	**Instruction**
1 x 6002	**Brush, Test Cell**
1 x 9053	**Midget Comparator, pH, Phenol Red, 6.8-8.2**
1 x 9241	**Midget Comparator, Chlorine (free/total), DPD, 0.1-2.0 ppm**

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 & Total Chlorine Test

1. Rinse and fill 11.5 mL test cell (#4024) to mark with water to be tested.
2. Add 5 drops R-0001 DPD Reagent #1 and 5 drops R-0002 DPD Reagent #2. Cap and mix.
3. Wipe dry and place in comparator (#9241) WITH FROSTED SIDE FACING OPERATOR.

4. Match color in test cell with a color standard. Record as parts per million (ppm) free chlorine (Cl_2).
5. Add 5 drops R-0003 DPD Reagent #3. Cap and mix.
6. Wipe dry and place in comparator WITH FROSTED SIDE FACING OPERATOR.
7. Match color. Record as parts per million (ppm) total chlorine (Cl_2).
8. Subtract free chlorine (FC) from total chlorine (TC). Record as parts per million (ppm) combined chlorine (CC) as Cl_2.
   Formula: TC - FC = CC

pH Test

1. Rinse and fill 11.5 mL test cell (#4024) to 11.5 mL mark with water to be tested.
2. Using 0.5 mL pipet (#4028), add 0.5 mL R-1003J pH Indicator. Cap and mix.
3. Wipe dry and place in comparator (#9053) WITH FROSTED SIDE FACING OPERATOR.
4. Match color in test cell with a color standard. Record as pH units.

NOTE: If sample color is between two values, pH is average of the two.

NOTE: If determining Acid or Base Demand, save sample and proceed as directed on separate instruction.

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