

## COLOR COMPARISON TEST FREE, COMBINED & TOTAL CHLORINE

**COMPONENTS:****MIDGET COMPARATORS\*:**

9040	0.2-3.0 ppm
9044	0.2-2.0 ppm
9048	1.5-10 ppm
9241	0.1-2.0 ppm

**RANGE:**

\*Kit includes only one comparator.

**REAGENTS\*:**

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
1 x R-0843	DPD Tablet #1, 50-pack
1 x R-0844	DPD Tablet #3, 50-pack

\*Kit includes either DPD reagents or DPD tablets.

**APPARATUS\*:**

1 x 3243	Cap, Test Cell (11.5 mL), plastic
1 x 3267	Cap, Test Cell (5 mL), plastic
1 x 4024	Test Cell, Calibrated (11.5 mL), plastic
1 x 4025	Test Cell, Calibrated (5 mL), plastic
1 x 5118	Instruction
1 x 6002	Brush, Test Cell

\*Kit includes only one test cell and one test cell cap.

**TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE  
800-TEST KIT (800-837-8548).**

**(OVER)**

**PROCEDURE:**

**CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS.  
KEEP REAGENTS AWAY FROM CHILDREN.**

**Free Chlorine Test**

1. Rinse and fill test cell to mark with water to be tested.
2. Add 5 drops R-0001 DPD Reagent #1 and 5 drops R-0002 DPD Reagent #2 (or add 1 R-0843 DPD Tablet #1). Cap and mix.
3. Wipe dry and place in comparator WITH FROSTED SIDE FACING OPERATOR.
4. Match color in test cell with a color standard. Record as parts per million (ppm) free chlorine ( $\text{Cl}_2$ ).
5. Save sample for total chlorine test.

**Total Chlorine Test**

1. Use same treated sample from free chlorine test.
2. Add 5 drops R-0003 DPD Reagent #3 (or add 1 R-0844 DPD Tablet #3). Cap and mix.
3. Wipe dry and place in comparator WITH FROSTED SIDE FACING OPERATOR.
4. Match color in test cell with a color standard. Record as ppm total chlorine ( $\text{Cl}_2$ ).

**Combined Chlorine Test**

1. Subtract free chlorine (FC) from total chlorine (TC). Record as ppm combined chlorine (CC) as  $\text{Cl}_2$ .

Formula:  $\text{TC} - \text{FC} = \text{CC}$ .

