

DROP TEST

Instr. #5217

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

Store out of direct sunlight at room temperature.

COMPONENTS:

1 x 5217	Instruction
1 x 9198	Sample Tube, Graduated (25 mL) w/ cap, plastic
1 x R-0003-A	DPD Reagent #3, .75 oz, DB
1 x R-0870-I	DPD Powder, 10 g
1 x R-0871-A	FAS-DPD Titrating Reagent (chlorine), .75 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 25 mL sample tube (#9198) 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 if free chlorine is present.

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

(OVER)

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 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

NSF 50 Classification:

Free Chlorine, 1 drop = 0.2 ppm – L1 (Pool), L1 (Spa/Hot Tub)

Combined Chlorine, 1 drop = 0.2 ppm – L2 (Pool), L1 (Spa/Hot Tub)

Free Chlorine, 1 drop = 0.5 ppm – L1 (Pool), L1 (Spa/Hot Tub)

Combined Chlorine, 1 drop = 0.5 ppm – L3 (Pool), L1 (Spa/Hot Tub)

