

Richard Hourigan, Inc.

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Instructions

Instruction Number: 5016

DROP TEST

FAS-DPD CHLORINE (1 drop = 0.2 or 0.5 ppm)

COMPONENTS:

- 1 x 4044 Dipper, 8.5 cm, plastic
- 1 x 5016 Instruction
- 1 x 9198 Sample Tube, Graduated, 25 mL, plastic w/cap
- 1 x R-0765 Potassium Iodide Crystals
- 1 x R-0870 DPD Powder
- 1 x R-0871 FAS-DPD Titrating Reagent (chlorine), DB

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE 877-7WATER6 (877-792-8376) or [email us](mailto:email_us) with your requirements.

PROCEDURE:

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

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, 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. Always hold bottle in vertical position.
4. Multiply drops in Step 3 by equivalence (Step 1). Record as parts per million (ppm) free chlorine.
5. Using 8.5 cm dipper (#4044), add 1 heaping dipper R-0765 Potassium Iodide Crystals. Swirl until dissolved. 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. Always hold bottle in vertical position.
7. Multiply drops in Step 6 by drop equivalence (Step 1). Record as ppm combined chlorine.