

# Richard hourigan, inc.

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Responding to the needs of industry since 1973

## Instructions

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### Instruction Number: 5216

#### DROP TEST

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

#### COMPONENTS:

- 1 x 5216 Instruction
- 1 x 9198Y Sample Tube, Graduated, 25 mL, plastic w/cap and yellow dot
- 1 x R-0003-C DPD Reagent #3, 2 oz, DB
- 1 x R-0870-I DPD Powder, 10 g
- 2 x R-0871-C FAS-DPD Titrating Reagent (chlorine), 2 oz, 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.

#### Chlorine Tests (Free & Combined)

1. Rinse and fill sample tube (#9198Y) 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 drop equivalence (Step 1). Record as parts per million (ppm) free chlorine (FC).
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. Always hold bottle in vertical position.
7. Multiply drops in Step 6 by drop equivalence (Step 1). Record as ppm combined chlorine (CC).

03/09