

**Palintest**<sup>®</sup>  
Leaders in Water Analysis Technology

A horizontal graphic of water splashing, with a thin blue line above it and a larger splash of water below it, extending across the width of the page.

**FAS - DPD / OXYSTOP KIT**

## FAS-DPD/OXYSTOP KIT

*Test procedure for drop test*

*FAS DPD Chlorine (Free & Combined) (1 drop=0.2 or 0.5 ppm)*

*Monopersulphate compound (1 drop = 0.5 ppm)*

### **Free Chlorine (FC) & Combined Chlorine (CC)**

1. Rinse and fill 25ml sample tube to desired mark with water sample to be tested.  
NOTE: For 1 drop = 0.2 ppm, use 25ml sample.  
For 1 drop = 0.5 ppm, use 10ml sample.
2. Add 1 scoop DPD Powder. Swirl to mix. Sample should turn pink.
3. IMMEDIATELY: Add 5 drops oxystop reagent. Swirl to mix.  
WAIT 30 SECONDS.
4. Add FAS-DPD Titrating reagent drop wise, swirling and counting after each drop, until colour changes from pink to colourless. Always hold the bottle in vertical position.
5. Multiply drops of FAS-DPD titrant by drop equivalence (step 1).  
Record as parts per million (ppm) free chlorine (FC).
6. Add 5 drops DPD reagent 3. Swirl to mix. Sample should turn pink if combined chlorine is present.
7. Add FAS-DPD titrant drop wise, swirling and counting after each drop, until colour changes from pink to colourless. Always hold bottle in vertical position.

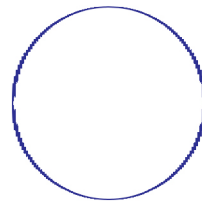
8. Multiply drops of FAS-DPD titrant by drop equivalence (step 1).  
Record as ppm combined chlorine (CC).

### **Monopersulphate compound test (MC) Test**

1. Rinse and fill 25 ml sample tube to 10 ml mark with water sample to be tested.
2. Add 1 scoop DPD Powder. Swirl to mix. Sample should turn pink.
3. Add 5 drops DPD Reagent 3. Swirl to mix. WAIT 30 SECONDS.
4. Add FAS-DPD Titrating reagent drop wise, swirling and counting after each drop, until colour changes from pink to colourless.  
Always hold bottle in vertical position.
5. Multiply drops of FAS-DPD Titrating reagent by 0.5.  
Record as ppm total oxidizer (TO)
6. Add FC to CC. Subtract from TO. Record as ppm monopersulphate compound (MC) as chlorine. Formula:  $TO - (FC+CC)=MC$

### **Position Sample Tube in Circle During Test**

In order to be able to see the change in colour in the test a white background should be used for contrast. The sample tube should be placed on the circular mark to the right when performing the test.



**Please Carefully Read and Follow Precautions on Reagent Labels - Keep Reagents Away From Children**