

FAS-DPD Chlorine Test Kit

1 drop = 0.2 or 0.5 ppm

TK2731-Z

white caps

KIT COMPONENTS:

DP6300-H	DPD Powder, 10g
PI1410-B	Potassium Iodide, 10% w/v, 60 mL
FE3220-B	Ferrous Ammonium Sulfate, 60 mL
VL-1005-V	Vial, 10-50 mL

SAFETY TIPS:



Wear
Gloves



Use Eye
Protection



Read
SDS

TESTING TIPS:



Collect
Accurate
Sample



Hold
Bottles
Vertically



Ensure
Proper
Lighting

INTERFERENCES: Chlorine levels above 25ppm can cause false negative; either add more DPD powder or dilute sample to generate pink color. Oxidized Manganese and halogens like Bromine cause positive interference. Acidity or Alkalinity above 250ppm can cause full color not to develop; neutralize to pH 6-7.

ATTENTION: As necessary, calibrate this kit against a known standard made with plant / make-up water. Be sure to collect a representative sample.

1 Rinse the vial with the water to be tested. **Select a sample size** based on the desired drop equivalency.

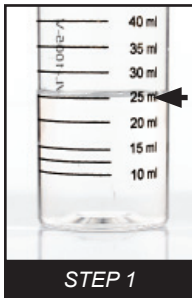
For Chlorine:

- 1 drop = 0.2 ppm 25 ml sample
- 1 drop = 0.5 ppm 10 ml sample

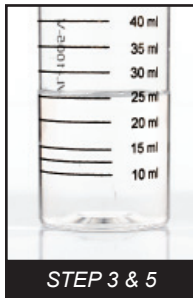
For Bromine:

- 1 drop = 0.45 ppm 25 ml sample
- 1 drop = 1.12 ppm 10 ml sample

2 Add 2 scoops of DPD Powder (DP6300) and swirl until dissolved. The sample will turn pink if any free halogen is present. If pink color disappears, add DPD Powder until color turns pink.



3 Add Ferrous Ammonium Sulfate (FE3220) one drop at a time while swirling. Count the number of drops until the color changes from pink to colorless. Multiply the number of drops by the sample factor. If product dose is Free Chlorine, record results as Free Chlorine. If product is Bromine, record results as Bromine. To calculate Combined or Total Chlorine proceed to Step 4.



4 Add 3 drops of Potassium Iodide, 10% w/v (PI1410) and swirl to mix. Sample will turn pink again if Combined Chlorine is present.

5 Add Ferrous Ammonium Sulfate (FE3220) one drop at a time while swirling. Counting the number of drops until the color changes from pink to colorless. Multiply the number of drops by the sample factor to obtain the ppm of Combined Chlorine.

Add the results for Free Chlorine and Combined Chlorine to obtain the ppm for Total Chlorine.