

Chlorine Dioxide Test Kit

TK4500-Z
green caps

KIT COMPONENTS:

PI1410-A	Potassium Iodide 10%, 30 mL
CA3002-A	Citric Acid Reagent, 30 mL
ST5005-A	Starch Indicator Solution 0.5%, 30 mL
ST2775-B	Sodium Thiosulfate Solution, 60 mL
SY-2012-P	Syringe, 12 mL
VL-0525-V	Vial, 5-25 mL

INTERFERENCES: All oxidizable substances such as Organic Matter, Sulfides and Nitrites, are positive interferences. Metals, namely copper, can stop or slow the chemical reaction.

SAFETY TIPS:



Wear
Gloves



Use Eye
Protection



Read
SDS

TESTING TIPS:



Collect
Accurate
Sample



Hold
Bottles
Vertically



Ensure
Proper
Lighting

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



Video Procedure



1 Add 10 drops of Potassium Iodide 10% (PI1410) to the vial.

2 Add 10 drops of Citric Acid (CA3002) and swirl to mix.

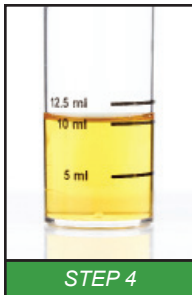
3 Select sample size for drop equivalency.

1 mL sample	1 drop = 5 ppm ClO_2
5 mL sample	1 drop = 1 ppm ClO_2
10 mL sample	1 drop = 0.5 ppm ClO_2

4 Add sample to the vial and swirl to mix. For 1 mL or 5 mL samples, use the syringe. A yellow color indicates available ClO_2 .



STEP 3



STEP 4

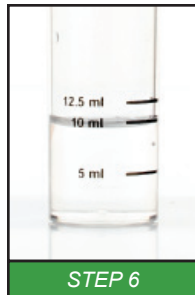
5 Add 2 drops of Starch Indicator Solution 0.5% (ST5005) one drop at a time while swirling. Sample should turn blue-black.



STEP 5

6 Add Sodium Thiosulfate Solution (ST2775) one drop at a time while swirling. Count the number of drops until the sample just turns from blue-black to colorless.

Multiply number of drops by chosen equivalency.



STEP 6