

Chlorine Dioxide Test Kit

TK1181-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
ST2776-A	Sodium Thiosulfate Titrant High, 30 mL
SY-2005-P	Syringe, 5 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



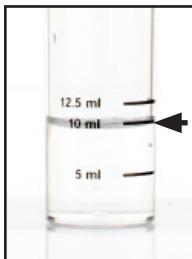
1 Add 10 drops of Potassium Iodide 10% (PI1410) to the vial.

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

3 Select sample size for drop equivalency.

1 mL sample 1 drop = 500 ppm ClO_2
 5 mL sample 1 drop = 100 ppm ClO_2
 10 mL sample 1 drop = 50 ppm ClO_2

4 Use the syringe to add desired sample to the vial. Swirl to mix. 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.

6 Add Sodium Thiosulfate Titrant High (ST2776) one drop at a time while swirling. Count the number of drops until the sample just turns from blue-black to colorless.

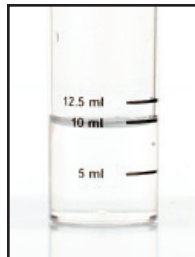
1 mL Sample:
 # drops x 500 = ppm ClO_2

5 mL Sample:
 # drops x 100 = ppm ClO_2

10 mL Sample:
 # drops x 50 = ppm ClO_2



STEP 5



STEP 6