

# Sequestrant Drop Test Kit

**TK0180-Z**  
white caps

## KIT COMPONENTS:

|           |                                |
|-----------|--------------------------------|
| ST2999-B  | Sodium Thiosulfate 0.1N, 60 mL |
| SA1905-A  | Sulfuric Acid 10%, 30 mL       |
| XO4503-H  | XO Indicator Powder, 10 g      |
| SQ1000-B  | Sequestrant Titrant, 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

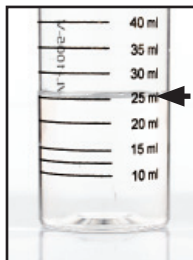
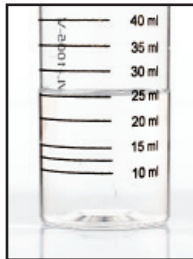
**INTERFERENCES:** As little as 0.5 ppm Fluoride and 1 ppm Orthophosphate will cause interference. Even low concentrations of Iron and Sulfate will cause interference.

**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 vial three times with sample to be tested. **Fill vial to 25 mL.**

**2** Add **1 drop of Sodium Thiosulfate 0.1N (ST2999)**, and **1 scoop of XO Indicator Powder (XO4503)**. Swirl to mix.

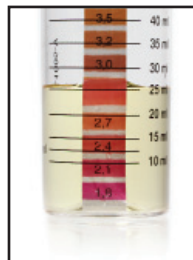
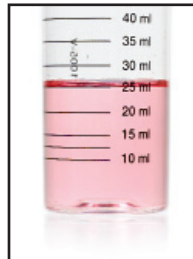
**3** Adjust pH between 2.5 and 3.0. Add **1 drop of Sulfuric Acid 1.0N (SA1625)** and swirl to mix. Check pH by dipping test paper into sample for 3 seconds. Remove and check pH value. If needed continue adding Sulfuric Acid 1.0N one drop at a time while swirling.

**STEP 1****STEP 2**

**Check the pH after each drop** until the sample reaches between 2.5 and 3.0. The sample color should be yellow.

**4** Add **Sequestrant Titrant (SQ1000)** one drop at a time while swirling. Count the number of drops until the color changes from yellow to pink.

**Record drops of Sequestrant Titrant as ppm organo-phosphorus sequestering agent.**

**STEP 3****STEP 4**