

# Hypobromous Acid Test Kit

1 drop = 20 ppm active Bromine

## TK2502-Z

orange caps

### KIT COMPONENTS:

PI7410-B	Solution A, 60 mL
PH7507-B	Solution B, 60 mL
ST7005-B	Solution C, 60 mL
ST2862-B	Solution D, 60 mL
SY-2010-P	Syringe, 10 mL
VL-0525-V	Vial, 5-25 mL

**INTERFERENCES:** All oxidizers, including Chlorine, are positive interferences for this test. Interferences include, a pH over 8, Total Hardness over 1000 ppm, Sulfate over 1000 ppm, Total Alkalinity over 150 ppm, any concentration of Nitrite, Nitrate over 200 ppm, Silica Dioxide over 50 ppm, Copper over 10 ppm, any concentration of Ferrous Iron ( $\text{Fe}^{2+}$ ), and Ferric Iron ( $\text{Fe}^{3+}$ ) over 5 ppm.

TK2502-Z-INST REV 08/17

### 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.

It is important that each reagent be added and then mixed well for at least 5 seconds before the addition of the subsequent reagent.

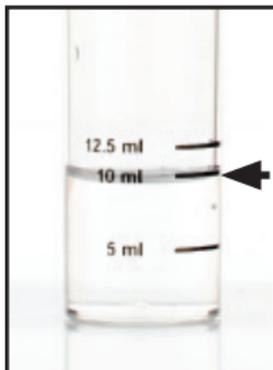


**1** Rinse vial three times with the sample to be tested. **Fill vial to 10 mL.**

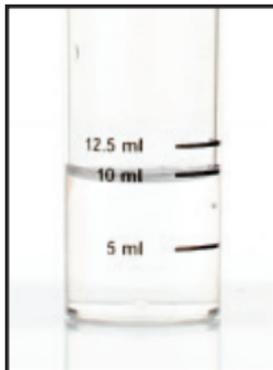
**2** Add 5 drops of Solution A (PI7410) and swirl to mix.

**3** Add 5 drops of Solution B (PH7507) and swirl to mix.

**4** Add 5 drops of Solution C (ST7005) and swirl to mix. Sample should turn dark brown / black. **WAIT 15 SECONDS.**



STEP 1



STEP 3

**5** Add Solution D (ST2862) one drop at a time while swirling until the sample turns colorless for at LEAST 10 seconds. Record the number of drops.

**6** Count the ppm of total available Bromine using the following:

# drops x 20 = active Bromine

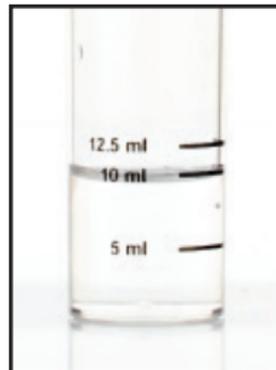
If lower levels of Bromine are evident (less than 100 ppm), use 20 mL of test solution and repeat the test. Count the ppm of Bromine using the following:

# drops x 10 = active ppm Bromine

**Note:** This kit is not intended to verify the balance of the mixtures being tested because this kit does not distinguish between chlorine and bromine. It is recommended that the modified DPD method (ETQC35) be used at least weekly to ensure the mixtures are at the appropriate levels.



STEP 4



STEP 5