

# Hypobromous Acid Test Kit

1 drop = 20 ppm active Bromine

1. Using the syringe, place 10 mL of sample to be tested into measuring vial.
2. Add 5 drops of Solution A, swirl to mix.
3. Add 5 drops of Solution B, swirl to mix.
4. Add 5 drops of Solution C, swirl to mix. (Solution will turn dark brown/black) Wait 15 seconds.
5. Add Solution D drop by drop while swirling. Count the number of drops until the sample turns colorless for at least 10 seconds.

Calculate the PPM of total available Bromine using the following:

$$\# \text{ of drops} \times 20 = \text{active ppm bromine}$$



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 total available bromine using the following:

$$\# \text{ of drops} \times 10 = \text{active ppm bromine}$$

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. The purpose of this kit is to measure bromine levels on a routine "day to day" basis once the mixture concentrations are set.



## KEEP SOLUTION OUT OF SUNLIGHT.

For Best Accuracy: Ensure accurate sample size. Hold dropper bottle vertically, not at an angle.