Colorimeter Series

Biguanide 70 Range(s): 0-70 ppm PHMB (Polyhexamethylene Biguanide)

Procedure	 Note: When testing multiple samples simultaneously, a separate sample cell with an unreacted sample of the water tested must be used to zero the colorimeter. Please note that varying the test procedure from the original can affect the precision of the test. 1. Turn on the Colorimeter. 2. Select a test menu (ALL TESTS, RECENT TESTS, or FAVORITES) containing Biguanide 70 using ◄►. 3. Select Biguanide 70 using ▲▼; then press ENTER ⁽²⁾. 	 Rinse and fill 25 mm sample cell to 10 mL mark with sample; then cap. Insert sample cell into sample cell compartment. Align marks per User's Manual. Select ZERO using ▲►; then press ENTER O. Zero will be displayed. Remove sample cell from sample cell compartment; then remove cap. Add 1 mL Biguanide 70 - Reagent A; then swirl to mix. 	 Add 1 mL Biguanide 70 - Reagent B; then cap and swirl to mix thoroughly. Insert sample cell into sample cell compartment. Align marks. Select TIMER using ◆; then press ENTER ③. Select START using ◆; then press ENTER ④. (A 1-minute [1:00] countdown will begin.) Immediately select AUTO using ◆; then press ENTER ④. When the timer beeps, the instrument will read the sample and the result will be displayed.
Interferences	Bromine, all levels – may cause interference Chlorine, all levels – may cause interference Iron, Ferric > 4 ppm – negative interference Quats > 4 ppm – positive interference The following analytes were tested to the levels listed and found not to cause any interference up to the specified values:	Alkalinity, Total (CaCO ₃) – 300 ppm Chloride – 2000 ppm Copper – 4 ppm EDTA – 40 ppm Fluoride – 20 ppm Iron, Ferrous – 5 ppm	Magnesium – 1000 ppm Manganese – 3 ppm Oxidizer – 100 ppm Phosphate – 50 ppm Phosphonate (HEDP) – 20 ppm Polyquat – 12.5 ppm
Test Method		ylene biguanide (PHMB) to form a blue complex that is propor vhich contain 20% active biocide. The reagents are formulated	

Estimated Detection Limit	3 ppm PHMB		
Precision	Using two lots of reagent and a standard solution of 50 ppm PHMB, an individual analyst obtained a standard deviation of ± 1 ppm PHMB.		
Application	Recreational Water		
Ordering Info	Reagent PackK-8040Biguanide 70Formulated for exclusive use with Taylor's TTi® Colorimeter.Reagent PackComponentsR-8040ABiguanide 70 - Reagent AR-8040BBiguanide 70 - Reagent B		

