MBT Inhibitor Titrets®

K-6810: 50 - 500 ppm

Sample Temperature

Sample temperatures that deviate significantly from 20°C (68°F) may introduce test result bias.

Test Procedure

1. Fill the sample cup to the 25 mL mark with your sample (fig. 1).
2. Slide the open end of the valve assembly over the tapered tip of the Titret so that it fits snugly to the white reference line (fig. 2).
3. Snap the tip of the ampoule at the black snap ring (fig. 3).
   NOTE: When the tip is snapped, the flexible tubing will remain in place on the neck of the ampoule.
4. Lift the control bar and insert the Titret assembly into the Titrettor (fig. 4).
   NOTE: The rigid sample pipe will extend approximately 1.5 inches beyond the body of the Titrettor.
5. Hold the Titrettor with the sample pipe in the sample and press the control bar firmly, but briefly, to pull in a small amount of sample (fig. 5).
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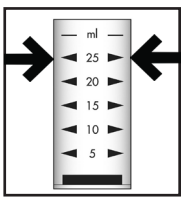


Figure 1

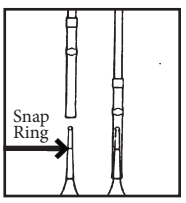
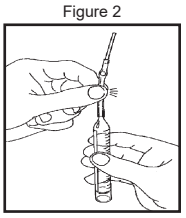


Figure 2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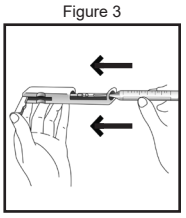
Figure 4

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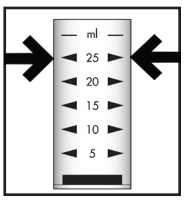

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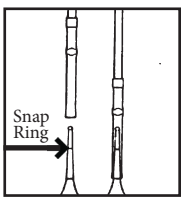

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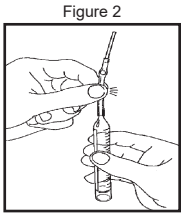
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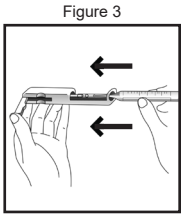
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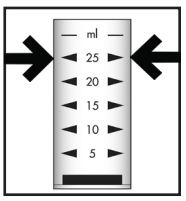

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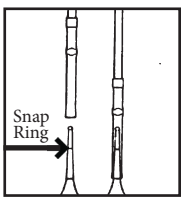

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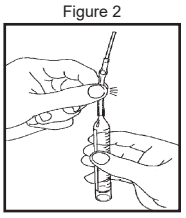
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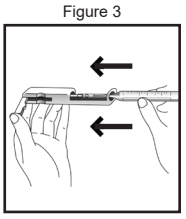
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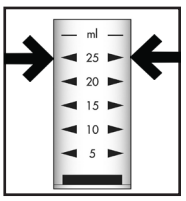

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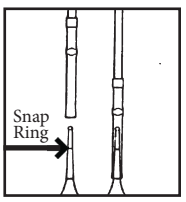

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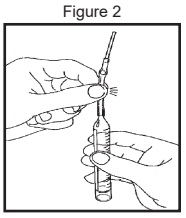
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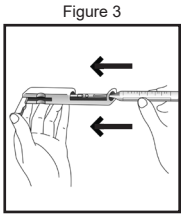
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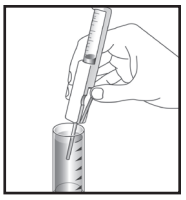
7. After each addition, rock the entire assembly to mix the contents of the ampoule. Watch for a color change from **PINK** to **STRAW YELLOW**.
8. Repeat Steps # 6 and 7 until a permanent color change occurs.
9. When the color of the liquid in the ampoule changes to **STRAW YELLOW**, remove the ampoule from the Titrettor. Hold the ampoule in a vertical position and read the scale opposite the liquid level (fig. 6).
10. Multiply scale unit by 50 for test results in ppm (mg/Liter) MBT.



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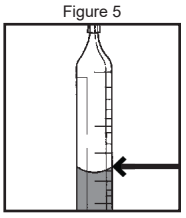

Figure 6

Interpretation of Test Results

If the contents of the ampoule do not turn **PINK** in Step # 7, the MBT concentration in the sample is above the test range. If the ampoule fills completely and the contents do not turn **STRAW YELLOW,** the MBT concentation is below the test range.

Test Method

The MBT Inhibitor Titrets®[1] method employs a permanganate titrant in an acidic solution.[2] Results are expressed as MBT.

1. Titrets is a registered trademark of AquaPhoenix Scientific, LLC U.S. Patent No. 4,332,769
2. Developed by CHEMetrics, Inc.

Safety Information

Read SDS before performing this test procedure. Wear safety glasses and protective gloves.

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By AquaPhoenix Scientific

Mar. 25, Rev. 9

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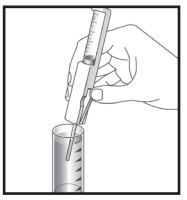

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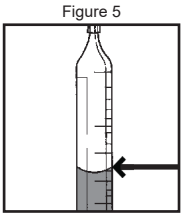

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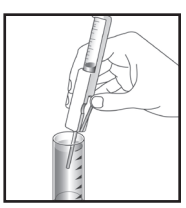

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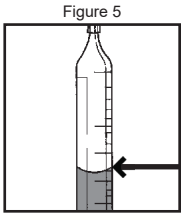

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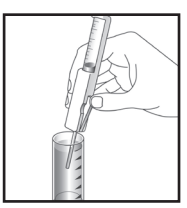

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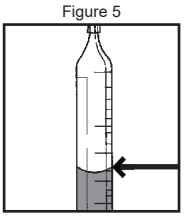

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