

Hypochlorite HR CHEMets® Kit

K-5816/R-2500 & A-0171: 0 - 12.5% NaOCl

Sample Temperature

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

Test Procedure

- Using the 3 mL syringe, obtain **1.0 mL** of the sample to be tested and dispense into the empty **Sample Prep Cup**. Dilute to the 25 mL mark with distilled water. Use this diluted sample in Step # 3.
- Place a pipette tip firmly onto the end of the MiniPet®4 (fig. 1).

NOTE: Use a fresh pipette tip for each test.

- Depress the plunger on the minipet. Immerse the tip in the previously diluted sample and release the plunger. A portion of the sample will be drawn into the tip (fig. 2).

NOTE: Do not touch the side or bottom of the sample container with the tip during sampling.

- Hold the minipet over the empty sample cup, and depress the plunger to dispense sample (fig. 3).

- Dilute the contents of the sample cup to the **25 mL mark with distilled water** (fig. 4).

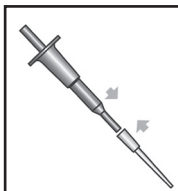


Figure 1

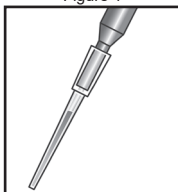


Figure 2

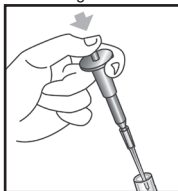


Figure 3

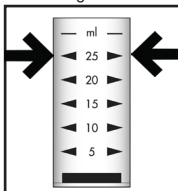


Figure 4

- Place the CHEMet ampoule, tip first, into the sample cup. Snap the tip. The ampoule will fill leaving a bubble for mixing (fig. 5).
- To mix the ampoule, invert it several times, allowing the bubble to travel from end to end.
- Dry the ampoule. Obtain a test result **1 minute** after snapping the tip.
- Obtain a test result by placing the ampoule between the color standards until the best color match is found (fig. 6).

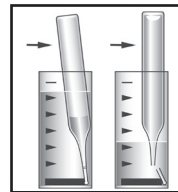


Figure 5

NOTE: Use the 0 - 12.5% concentration scale on the comparator label.

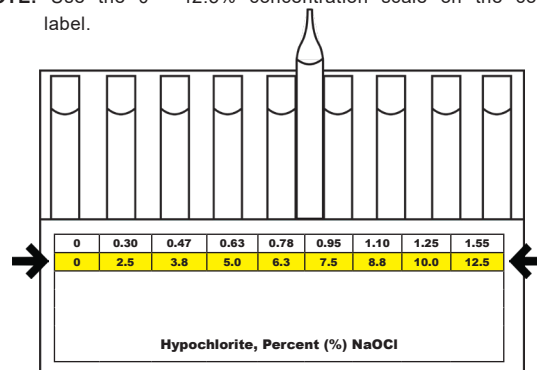


Figure 6

Test Method

The Hypochlorite CHEMets®1 test kits employ the DPD chemistry.^{2,3}

Halogens, ozone and halogenating agents will produce high test results.

- CHEMets is a registered trademark of AquaPhoenix Scientific, LLC U.S. Patent No. 3,634,038
- APHA Standard Methods, 23rd ed., Method 4500-Cl G - 2000
- EPA Methods for Chemical Analysis of Water and Wastes, Method 330.5 (1983)
- MiniPet is a registered trademark of Tricontinent Scientific, Inc.

Safety Information

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

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