

Hypochlorite VACUettes® Kit

K-5806: 0.4 - 1.9%

K-5814: 2.5 - 13.0%

Sample Preparation for K-5806:

Using the syringe, measure 0.5 mL of the sample to be tested and dispense into the sample cup (cup with no vertical tip guides). Dilute to the 15 mL mark with distilled water. Perform the test procedure below using this diluted sample in Step 2.

Sample Preparation for K-5814:

Using the syringe, measure 1.0 mL of the sample to be tested and dispense into the sample cup (cup with no vertical tip guides). Dilute to the 25 mL mark with distilled water. Perform the test procedure below using this diluted sample in Step 2.

Test Procedure

1. Fill the dilutor snapper cup to the top edge with **hypochlorite free water** (fig. 1).

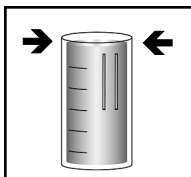


Figure 1

2. Fill the micro-test tube approximately halfway with the diluted sample prepared above (fig. 2).

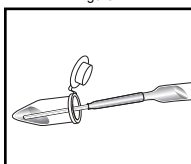


Figure 2

3. Make sure that the VACUette tip is firmly attached to the ampoule tip.

4. Holding the VACUette almost horizontally, touch the tip to the contents of the micro-test tube (fig. 2).

NOTE: The capillary tip will fill completely with sample.

5. Place the VACUette between the vertical tip guides on the inside of the dilutor snapper cup. Snap the ampoule tip. The ampoule will fill leaving a bubble to facilitate mixing (fig. 3).

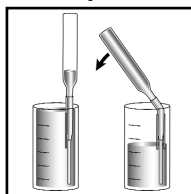


Figure 3

6. Mix the contents of the ampoule by inverting it several times, allowing the bubble to travel from end to end. Dry the ampoule and wait **1 minute** for color development.

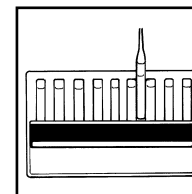


Figure 4

7. Hold the comparator in a nearly horizontal position while standing directly beneath a source of light. Place the ampoule between the color standards moving it from left to right along the comparator until the best color match is found. If the color of the ampoule is between color standards, an estimate can be made (fig 4).

Test Method

The Hypochlorite VACUettes®¹ kit employs the DDPD chemistry.² Results are expressed in percent (%) sodium hypochlorite (NaOCl). Halogens and ozone will produce high test results.

1. VACUettes is a registered trademark of CHEMetrics, Inc. U.S. Patent Nos. 4,537,747 & 4,596,780
2. The DDPD methodology was developed by CHEMetrics, Inc.

Safety Information

Read MSDS before performing this test. Wear safety glasses.