



## Free/Total Available Chlorine

1. Rinse a test tube (0822) with the water to be tested, then refill the tube to the 10 ml line with the sample water.
2. Add one DPD #1R tablet (6999). Cap and shake to dissolve tablet.
3. Immediately insert test tube into container. Match color in tube against the color standards to obtain value. This value represents the Free/Total Available Chlorine content of the test sample. **Note:** Do not discard this test sample if Total Residual and Combined Chlorine are to be determined.

## TOTAL RESIDUAL CHLORINE AND COMBINED CHLORINE

4. Add DPD #3R Tablet (6905) to the Free Available Chlorine test sample prepared above. Cap and shake to dissolve tablet.
5. Insert tube into comparator to obtain color match. The resulting value represents the Total Residual Chlorine. Combined Chlorine (including monochloramine, dichloramine, and nitrogen trichloride) can be determined in the following way:

**Combined Chlorine, ppm = Total Residual Chlorine - Free Available Chlorine**

**Note:** Thoroughly clean and rinse test tubes after each use.