

Chlorine and pH Test Kit CN-67 (1411100)

DOC326.98.00026

Test preparation

CAUTION: A Review the Safety Data Sheets (MSDS/SDS) for the chemicals that are used. Use the recommended personal protective equipment.

NOTICE: This product has not been evaluated to test for chlorine and chloramines in medical applications in the United States.

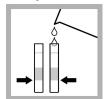
- Put the color disc on the center pin in the color comparator box (numbers to the front).
- Use sunlight or a lamp as a light source to find the color match with the color comparator box.
- Rinse the tubes with sample before the test. Rinse the tubes with deionized water after the test.
- · If the color match is between two segments, use the value that is in the middle of the two segments.
- If the color disc becomes wet internally, pull apart the flat plastic sides to open the color disc. Remove the thin inner disc. Dry all parts with a soft cloth. Assemble when fully dry.

Chlorine

- Analyze samples immediately after collection.
- Undissolved reagent does not have an effect on test accuracy.
- For free chlorine, read the result immediately after the reagent is added to prevent interference from monochloramine. If the sample contains 3.0 mg/L monochloramine, the free chlorine result increases each minute by 0.1 mg/L.

More than 15 mg/L chlorine interferes with the test for pH. To remove chlorine from the sample, add 1 drop of 0.1 N sodium thiosulfate solution to 25 mL of sample and mix. Use this dechlorinated sample in the test procedure. The sodium thiosulfate removes a maximum of 10 mg/L chlorine from the sample.

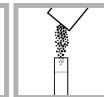
Test procedure—Free or total chlorine (0-3.4 mg/L Cl₂)



1. Fill two tubes to 2. Put one tube the first line (5 mL) into the left with sample.



opening of the color comparator box.



3. Add one DPD (Free or Total) Chlorine Powder Pillow to the second tube.



4. Swirl to mix. A pink color develops.



5. For free chlorine, read the result within 1 minute. For total chlorine. wait 3 minutes. Read the result within 6 minutes.



tube into the color comparator box.



6. Put the second **7.** Hold the color comparator box in front of a light source. Turn the color disc to find the color match.



8. Read the result in mg/L in the scale window.

Description Unit Item no. DPD Free Chlorine Reagent Powder Pillows, 5 mL 1407799 100/pkg DPD Total Chlorine Reagent Powder Pillows, 5 mL 100/pka 1407699 100 mL MDB 21132 Phenol red pH indicator solution Color disc, DPD chlorine, 0-3,4 mg/L 990200 each

9261100

173200

4660004

each

each

4/pkg

Optional items

Color comparator box

Replacement items

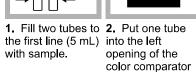
Color disc, pH, phenol red, 6.6-8.4 pH units

Plastic viewing tubes, 18 mm, with caps

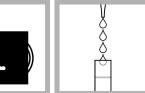
Description	Unit	Item no.
Caps for plastic viewing tubes (4660004)	4/pkg	4660014
Glass viewing tubes, 18 mm	6/pkg	173006
Sodium thiosulfate, 0.1 N	100 mL MDB	32332
Stoppers for 18-mm glass tubes and AccuVac Ampuls	6/pkg	173106
Water, deionized	500 mL	27249

Test procedure—pH (6.6–8.4 pH units)

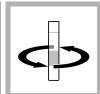




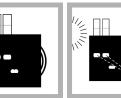
box.



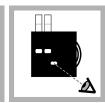
3. Add 4 drops of **4.** Swirl to mix. phenol red pH indicator solution to the second tube.



comparator box.



5. Put the second **6.** Hold the color **7.** Read the result tube into the color comparator box in in pH units in the front of a light source. Turn the color disc to find the color match.



scale window.