

Not for use by children without adult supervision.

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BASIC

Code 3008-12

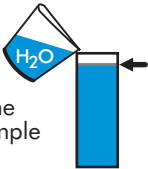
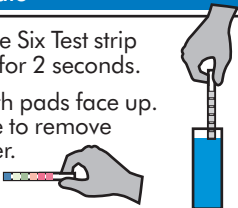


For additional information on water testing and water quality issues, go to these helpful websites:

World Health Organization
www.who.int/topics/drinking_water/en/

European Commission Directive
ec.europa.eu/environment/water/water-drink/legislation_en.html

Australian Drinking Water Guidelines
www.nhmrc.gov.au/guidelines-publications/eh52

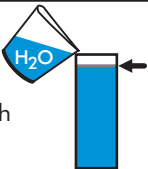
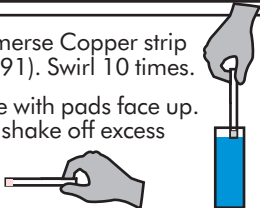

Six Tests: Total Hardness > Free Chlorine > Total Chlorine > Total Alkalinity > pH > Nitrate

<p>1</p>  <p>Fill plastic tube to the etched line with sample water.</p>	<p>2</p> <p>Immerse Six Test strip (2942) for 2 seconds.</p> <p>Remove with pads face up. Shake once to remove excess water.</p> 
<p>3</p>  <p>Immediately compare to colour chart.</p> <p>Read: Total Hardness > Free Chlorine > Total Chlorine > Total Alkalinity > pH.</p>	<p>4</p>  <p>Wait 30 seconds and compare to colour chart. Read: Nitrate.</p> <p>Discard strip and sample.</p>

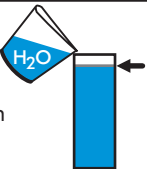
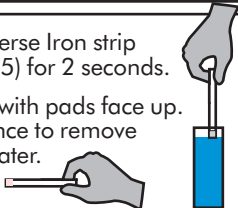
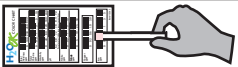
Chloramines

Total Chlorine minus Free Chlorine = Chloramines

Copper Test

<p>1</p>  <p>Fill plastic tube to the etched line with sample water.</p>
<p>2</p> <p>Immerse Copper strip (2991). Swirl 10 times.</p> <p>Remove with pads face up. Do not shake off excess water.</p> 
<p>3</p>  <p>Wait 15 seconds and compare to colour chart. Read Copper.</p> <p>Discard strip after 30 seconds. Discard sample.</p>

Iron Test

<p>1</p>  <p>Fill plastic tube to the etched line with sample water.</p>
<p>2</p> <p>Immerse Iron strip (2935) for 2 seconds.</p> <p>Remove with pads face up. Shake once to remove excess water.</p> 
<p>3</p>  <p>Wait 60 seconds and compare to colour chart. Read Iron. Discard strip after 90 seconds. Discard sample.</p>

Total Coliform Bacteria Test

STEP 1: Dechlorination of Water Sample

Water samples containing chlorine (like tap water) tend to suppress the growth of coliform bacteria when used with this test. A sterile Water Sampling Bag containing a dechlorinating agent is provided to collect the sample and neutralize any chlorine which may be present. This treatment is only necessary for water samples that may contain chlorine.

<p>1</p> <p>Tear off top of Water Sampling Bag (2-2197) at the scored line.</p>	<p>2</p> <p>Pull the tabs outward to open the bag.</p>
<p>3</p> <p>Fill the bag to the 100 mL fill line with the sample water.</p>	<p>4</p> <p>Pull wire ends to close the bag.</p>
<p>5</p> <p>Hold tape wire and whirl the bag for 3 complete revolutions.</p> <p>Shake the bag to dissolve the tablet.</p>	<p>6</p> <p>Unwhirl bag and pull tabs open. Fold one tape wire inward to form a pouring spout.</p>

STEP 2: Test Procedure

Run the test as a quick screening test to determine if coliform bacteria are present in numbers greater than 20 colonies per 100 mL of water.

<p>1</p> <p>Fill the glass tube that contains a tablet (4890) to the 10 mL line with the sample water from Step 1. Replace the cap.</p>	<p>2</p> <p>Stand the tube upright with the tablet flat on the bottom of the tube.</p>
<p>3</p> <p>Incubate the tube upright at room temperature for 48 hours. Store out of direct sunlight.</p>	<p>4</p> <p>Compare the contents of the tube to the Coliform Bacteria Colour Chart.</p>

Note: Samples with positive screening results may require additional laboratory testing to define specific health risks.

STEP 3: Coliform Test Disposal Procedure

Remove the cap from the tube and add approximately 1 mL (1/3 tsp or 20 drops) of household chlorine bleach and immediately recap. Let the tube stand upright for about 4 hours. Dispose of the closed tube in the trash.

Do not open the tube.