

Culligan Water™

waterlabtestkit.com

Thank you for purchasing Culligan's Essential Water Lab Test Kit. Testing your water is the first step in making sure the water you and your people enjoy every day is fresh, clean and safe.

Everything you need for a simple and accurate analysis is included in this kit. Within minutes of testing, you will know if your water contains unsafe or undesirable levels of the most common contaminants.

Follow instructions carefully for each water test.

Before You Begin

Check contents

- 1 TDS Meter
- 1 Lead/Pesticide Test Packet
- 1 Nitrate Test Packet
- 1 Nitrite Test Packet
- 1 pH Test Packet
- 1 Hardness Test Packet
- 1 Free Chlorine Test Packet
- 1 Copper Test Packet
- 1 Iron Test Packet
- 1 Bacteria Test Vial

Keep tests out of reach of children or pets. Do not ingest anything from this test kit. Do not drink the water samples used for testing.

Store and use at room temperature (60-86°F).

Do not use on hot water or water containing bleach or detergents.

Do not re-use any part of the test kit.

Do not open packets or vial until you are ready to perform the tests.

Read and follow all instructions carefully.

For Spanish translation please refer to our website at waterlabtestkit.com
Para traducción al español por favor refiérase a nuestro sitio web en waterlabtestkit.com

For any questions please email us at:

water.analysis@culligan.com or call **1-877-899-8195**

Bact BACTERIA TEST INSTRUCTIONS

Note: Do not remove tablet from tube.

Caution: To avoid contamination, do not touch the inner surface of the cap and tube, or handle the tablet.

1. Carefully fill the Bacteria Test Kit tube to the 10 mL line with the water you're testing. Replace the cap tightly. **DO NOT MIX OR SHAKE TUBE.**
2. Stand the tube upright with the tablet at the bottom of the tube. The tablet should lie flat on the bottom of the tube.
3. Store the tube at room temperature, out of direct sunlight, for at least 48 hours. The air temperature should be fairly constant and between 70-85°F (21-29°C).
4. After 48 hours observe the color of the water without opening the vial:
Red color: Negative results (No bacteria were detected)
Yellow color: Positive results (It is highly likely that potentially harmful bacteria were detected)

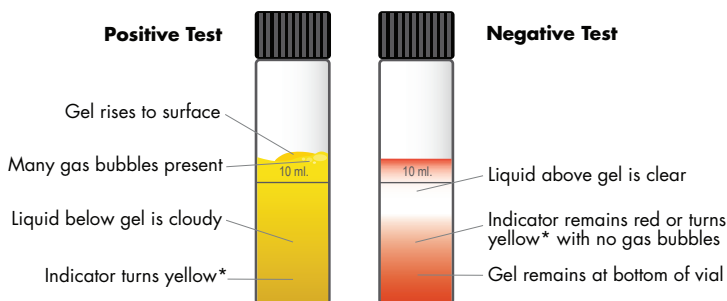
Water samples with positive screening results may require additional laboratory testing to define specific health risks.

Note: Do not disturb, handle, or shake the tube during the designated incubation time period. If these storage conditions are not followed precisely, the results of the test may vary and may not be valid.

Disposal

5. For positive results, add 1 mL (or 1/3 teaspoon) of household bleach (chlorine bleach) to the tube and immediately recap. Let stand for 4 hours. Dispose of the tube as required by local authorities. Do not open the tube or attempt to clean them for reuse. Negative samples may be poured directly into the toilet. Discard vial in the trash.

BACTERIA TEST RESULTS



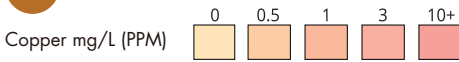
*NOTE: Both the yellow color and gas bubbles must be present for a positive result.

Warning: Avoid contact between test water or test tablet and eyes and skin. Should contact occur, flush affected area with UNTESTED TAP WATER and call your physician immediately.

Warning: Ingredients may be harmful if swallowed. Read each instruction carefully before conducting any test.

Warning: Tests measure only water qualities indicated. Tests do not measure whether water is drinkable. Test water is NOT drinkable.

Culligan Water Lab Test Kit is a screening test and can not be used to certify water as safe or unsafe for drinking. Water lab provides approximate results ONLY when used in strict accordance with instructions. Culligan International Company disclaims any liability resulting from use of this product, failure to follow instructions, or reliance on test results.

Cu COPPER TEST STRIP**1.3 PPM**

Directions: Dip entire strip into water for 1 second, remove. Shake off any excess water from the test strip, hold the strip level for 30 seconds, then compare with color chart.

Important: Use immediately once the foil packet has been opened.

Cl₂ FREE CHLORINE TEST STRIPbelow
4 PPM

Directions: Dip entire strip into water for 1 second, remove. Shake off any excess water from the test strip, hold the strip level for 5 seconds, then compare with color chart.

Important: Use immediately once the foil packet has been opened.

Hard TOTAL HARDNESS TEST STRIP**50 PPM**
or less

Directions: Dip entire strip into water for 1 second, remove. Shake off any excess water from the test strip, hold the strip level for 30 seconds, then compare with color chart.

Important: Use immediately once the foil packet has been opened.

Fe IRON TEST STRIP**0.3 PPM**

Directions: Dip entire strip into water for 1 second, remove. Shake off any excess water from the test strip, hold the strip level for 30 seconds, then compare with color chart.

Important: Use immediately once the foil packet has been opened.

NO₂ NITRATE TEST STRIPbelow
10 PPM

Directions: Dip entire strip into water for 1 second, remove. Shake off any excess water from the test strip, hold the strip level for 60 seconds, then compare with color chart.

Important: Use immediately once the foil packet has been opened.

NO₃ NITRITE TEST STRIPbelow
1 PPM

Directions: Dip entire strip into water for 1 second, remove. Shake off any excess water from the test strip, hold the strip level for 60 seconds, then compare with color chart.

Important: Use immediately once the foil packet has been opened.

pH pH TEST STRIP**6.5 - 8.5**
safe range

Directions: Dip entire strip into water for 1 second, remove. Shake off any excess water from the test strip, hold the strip level for 60 seconds, then compare with color chart.

Important: Use immediately once the foil packet has been opened.

Pb LEAD / Pest PESTICIDE TEST INSTRUCTIONS

The lead test can detect dissolved lead at levels below the EPA recommended level of 15 parts per billion (ppb). The pesticide Test detects two of the most common pesticides used in the US at or below the EPA Maximum Contaminant Level (atrazine - 3 ppb, and simazine - 4 ppb).

1. Open Water Lab's test kit and remove the Lead/Pesticide packet and take out all contents. The packet contains a test vial, a dropper pipette, two Water Lab test strips, and a desiccant (moisture) packet (to be discarded).
2. From your kitchen faucet, fill a clean glass with 2-3 ounces of unfiltered water.
3. Using dropper, place exactly TWO droppers full of the water you're testing into test vial. To pick up sample, tightly squeeze the bulb at the end of the dropper and place the open end into water sample. Release the bulb to pick up sample, then squeeze again to expel sample into vial.
4. Swirl vial gently for several seconds. Place on flat surface.
5. Place both test strips into the test vial, with arrows pointing DOWN.
6. Wait 10 minutes. Do not disturb strips or vial during this time. Blue line will appear on the strips.
7. Take the strips out of the vial and lay them on a flat surface with the arrows pointing to the LEFT. Read results.

Negative: LEFT line (next to number 1) is darker than the RIGHT line (next to number 2).

If you only see one line next to number 1, the test is negative.



Positive: RIGHT line (next to number 2) is darker than the LEFT line (next to number 1), or lines are equally dark (Both LEFT and RIGHT lines are equally dark).

If no lines appear, or both lines are very light, the test did not run properly and the result is not valid.



If a test strip shows a positive result, your water sample may contain lead or pesticides at a toxic level.

TDS TOTAL DISSOLVED SOLIDS (TDS) METER INSTRUCTIONS

Total Dissolved Solids (TDS) are the total weight of all solids that are dissolved in a given volume of water, expressed in milligrams per liter (mg/L), or in parts per million (ppm).

1. Collect water in a clean glass or cup.
2. Turn the power on to the TDS meter, and remove the cap. Press the MODE button and select PPM. Insert the 2 electrodes at the end of the TDS meter fully into the water, being sure not to insert the whole unit which could cause damage.
3. Stir the water a little using the TDS meter or shake it slightly to ensure the electrodes are fully immersed, and that no bubbles are attached to the electrodes.
4. Wait about 5 seconds, or until the display stabilizes with a constant figure. Press the HOLD button to save reading. The figure that you now read is the TDS reading. Press CLEAR to remove the reading. Replace cap to protect the electrodes.
5. Press the ON/OFF/HOLD button for 3 seconds to shut off. Unit has auto-off feature after 5 minutes.

Precautions:

1. Do not store under high temperature or direct sunlight. This will shorten the meter's life-span.
2. Please avoid collisions, weight or falls.
3. To replace battery, remove the top cap (3V; CR2032).

TDS-Parts per Million (ppm) 0 50 100 200 300 400 500+

TDS-Parts per Million (ppm)	0	50	100	200	300	400	500+
Drinking water from filtration		0-140 ppm					
Average tap water				140-400 ppm			
Hard water				170 ppm or above			
Less desirable				200-300 ppm			
Unpleasant levels					300-500 ppm		
EPA's maximum contaminant level							500 ppm