

PurTest® Home Water Analysis Kit Instructions

Test Kit Includes:

- 1 Bacteria Test, 1 Lead Test, 1 Pesticide Test, 2 Test each for Chlorine, Copper, Nitrate, Nitrite, Alkalinity, pH, Hardness, Iron,
 - 2 Iron Reagent Tablets (**USE WITH IRON TEST ONLY**) 1 Test sample vial (use for test samples, rinse after performing each test)
- Perform Iron test last as reagent tablets will discolor the test vial.



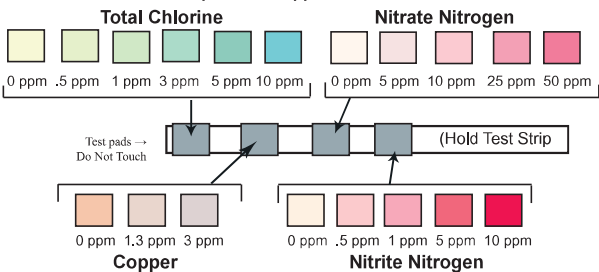
Testing Tips: 1) Carefully read each set of instructions before performing the tests. 2) Draw a fresh sample of water for each test. 3) Exposure of the test strips to any water, even moisture in the air can activate the test once removed from the protective packaging.

Instructions: Chlorine/Copper/Nitrate/Nitrite

Labeled (CL/CO/NA/NI) 4 Test Pads

- Rinse out test vial and fill to 1/4" from top with water sample.
- Take one CL/CO/NA/NI strip from foil pack, dip in water, swirl strip 3 times and remove. DO NOT shake off excess water. Hold level for 2 seconds.
- IMMEDIATELY** read Chlorine pad by comparing to chart below. Next, read the Copper test and after a total of 45 seconds has elapsed from when the test strip was first dipped read the Nitrate/Nitrite tests.

NOTE: 1) Chlorine test colors will fade within minutes, therefore reading the test immediately and as instructed is important.
2) If either the Nitrate or Nitrite test turn gray or light brown that test should be interpreted as 0 ppm.



Total Coliform Test Instructions

The Coliform Test is an easy-to-use method to indicate the presence of Total Coliform Bacteria in a drinking water supply.

Chlorine Residual Precautions

Water samples with chlorine residual (tap water) tend to suppress the growth of coliform bacteria when used with this test. A **sterile sampling bag** containing a dechlorinating agent is provided to collect the sample and neutralize any chlorine which may be present in the water.

Sample Collection

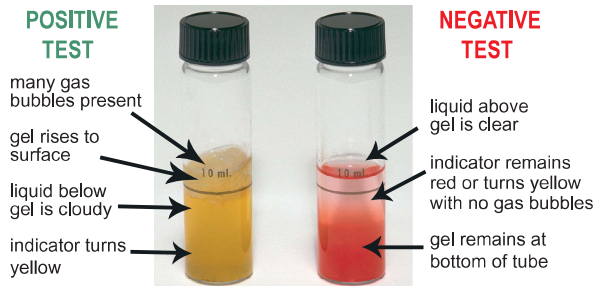
- Determine source and collect water sample or if from tap (cold water) allow to run for 2 to 3 minutes or until the line is flushed.
- Reduce tap water flow to a rate that will fill the water sampling bag slowly without splashing. Tear off top of bag at scored line and pull tabs outward to open bag. **Do not touch bag opening or inner surface.**
- Fill bag to 4 oz. fill line, pull wire ends to close and whirl bag 3 complete revolutions. Shake bag to dissolve tablet.
- Unwhirl sample bag and pull tabs outward to open bag. Fold one tape wire inward to form a spout.

Test Procedure

- Stand glass test tube upright and remove cap. Do not remove tablet from tube. Do not touch the inner surface of the cap, tube, or handle tablet.
- Carefully fill the test tube to the 10 ml line with water sample and replace cap tightly. **Do not mix or shake tube.**
- Store test tube at room temperature (between 70° - 85° F), out of direct sunlight, for 48 hours. Do not disturb, handle, or shake tube during the designated incubation period. If the storage conditions are not followed precisely, the results of the test may vary and may not be valid.
- Must observe test tube at **48 hours** and compare to color chart below.

Note: Some water samples with a pH below 6.8 will cause the color indicator to turn prematurely. This is not indicative of a positive result. Both the yellow color and gas bubbles must be evident in order to establish a positive test result. Gel will float to surface of sample indicating gas formation, sample below should be cloudy.

Coliform Indicator Color Chart



Disposal: Remove cap and add approximately 1 ml, (1/3 teaspoon) of household bleach (chlorine bleach) to the tube and recap. Let the tube stand for about 4 hours. Dispose of closed tube in trash. Do not open or reuse tube.

**Keep out of the reach of small children. Children should not use without adult supervision.

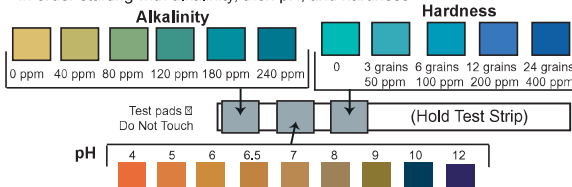
**For MSDS information on this product call 1-800-788-4825.

PurTest® Coliform test is a screening test and cannot be used to certify water as safe or unsafe for drinking. This test provides approximate results ONLY when used in strict accordance with instructions. American Water Service LLC expressly disclaims any liability resulting from the use of this product, or failure to follow instructions or reliance of test results.

Instructions: Alkalinity/pH/Hardness

Labeled (ALK/pH/Hard) 3 Test Pads

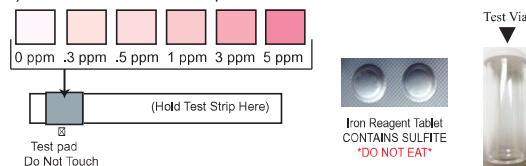
- Rinse out test vial and fill to 1/4" from top with water sample.
- Remove test strip from packet labeled ALK/pH/Hard. Pick up strip on end with no pads.
- Dip the ALK/pH/Hard strip in water for **one second** and remove.
- Hold test strip level and wait **ten (10) seconds**. Compare to color chart below in order starting with alkalinity, then pH, and hardness.



PERFORM IRON TEST LAST

Instructions: Iron Test (labeled Iron Test) 1 test pad on strip

- Rinse out test vial and fill to 1/4" from top with water.
- Remove iron reagent tablet (**DO NOT EAT**) from foil packet and place in test vial.
- Place cap on test vial and shake until tablet completely disintegrates.
- Remove the iron test strip from foil package. **DO NOT TOUCH PAD**
- Immerse test pad in sample for 2 seconds.
- Remove test strip from sample with pad face up.
- SHAKE ONCE TO REMOVE EXCESS WATER**
- Wait 60 seconds and compare to color chart.



Lead/Pesticide Test Instructions

The PurTest® Lead Test can detect dissolved lead at levels below the EPA Action Level of 15 parts per billion (ppb). The PurTest® 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).

One strip labeled Lead Pb →
One strip labeled Pesticide



Do not open until you are ready to test.

There is 1 test strip labeled Lead and 1 test strip labeled Pesticide.

- Open Lead/Pesticide foil packet and take out all contents. The packet contains a test vial, a dropper pipette, two test strips, and a desiccant (to be discarded).
- Using dropper, place exactly TWO dropper-fuls of water sample 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.
- Swirl vial gently for several seconds. Place on a flat surface.
- Place both test strips into the test vial with arrows pointing DOWN.
- Wait 10 minutes. Do not disturb strips or vial during this time. Blue lines will appear on the strips.
- Take the strips out of the vial and lay them on a flat surface with arrows pointing to the LEFT. Read Results.

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



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



NOTE: 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.