

PurTest® Home Water Analysis Kit Instructions

Iron Hardness Plus Instructions (Refer to bottle labeled Iron Hardness Plus)

There are three (3) different poly bags in your kit allowing you to perform eight (8) different types of water test, Chlorine, Copper, Nitrates/Nitrites, Hardness, pH, Alkalinity and Iron. In every bag, there are two (2) strips of each test. The Chlorine/Copper/Nitrate/Nitrite has 4 test pads, the Alkalinity/pH/Hardness has 3 test pads and the Iron test has 1 test pad. Your PurTest® kit has a test vial for performing each test and a press on cap that you will use when dissolving the foil pack iron tablets for the iron test. Record your test results so you can determine the condition of your water.

TESTING TIPS

- Carefully read each set of instructions before performing the tests.
- Draw a fresh sample of water for each test.
- Use the second test strip to verify results for each test.
- We recommend performing the iron test last because it will discolor the test vial.
- WARNING:** Exposure of your PurTest® strips to any water, even moisture in the air can activate the test once removed from the protective bottle.

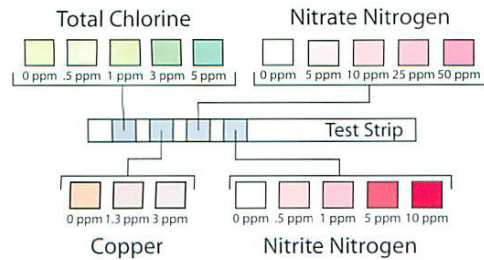


Instructions: Chlorine/Copper/Nitrate/Nitrite (CL/CO/NA/NI) 4 test pads

- Rinse out test vial and fill to ¼" from top with water.
- Take 1 CL/CO/NA/NI strip from poly bag, 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. Retest to verify.

NOTES

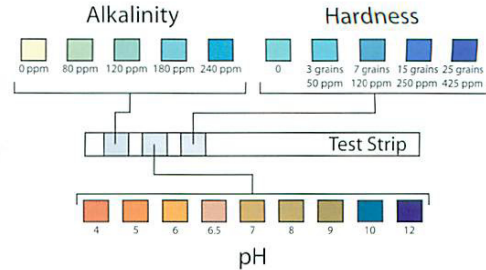
- Chlorine test colors will fade within minutes, therefore reading the test immediately is important.
- If either the Nitrate or Nitrite test turn gray or light brown the test should be interpreted as 0 ppm.



Instructions: Alkalinity/pH/Hardness

(Alk/pH/TH) 3 test pads

- Rinse out test vial and fill to ¼" from top with water.
- Take 1 Alk/pH/TH test strip from the bag, dip 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. Read and record results immediately. Retest to verify results.

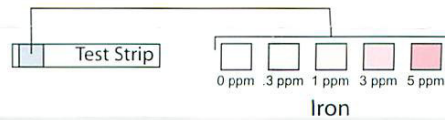


Instructions: Iron

1 test pad on strip

- Rinse out test vial and fill to ¼" from top with water.
- Remove 1 Iron tablet from the foil packet and place in test vial.
- Place cap on test vial and shake until tablet completely dissolves.
- Remove cap from test vial. Take one iron test strip from bag.
- Dip into test vial for one second and remove.
- Hold level and wait fifteen (15) seconds.
- Compare to color chart below to determine results. Read and record results immediately. Retest to verify.

NOTE: Iron Tablet Contains Sulfite. **NOT FOR CONSUMPTION.**



Instructions: Bacteria Test

PurTest® Bacteria Test allows you to screen your water for coliform bacteria which, if present, indicates the probable existence of harmful bacteria and viruses.

- 1) Take out the Bacteria Test vial and set upright on a flat surface.
- 2) Collect water sample or turn on tap to a very slow stream.
- 3) Carefully twist off cap and fill vial $\frac{1}{2}$ " below the top (to 5 ml line). **DO NOT OVERFILL OR SPILL** the bacteria growth powder in the vial.
- 4) Replace cap and twist on tightly. Shake the vial vigorously for 20 seconds.
- 5) Place the capped vial upright in a warm area (70° – 90°) where it cannot be disturbed for 48 hours (**DO NOT SET IN DIRECT SUNLIGHT**).
- 6) Observe the color of the liquid **WITHOUT** opening the vial. A color change from purple before or at 48 hours indicates unsafe conditions. Test is not valid after 48 hours.

PURPLE COLOR: Negative Result (Original color, no Bacteria were detected).

YELLOW COLOR: Positive Result (It is highly likely that potentially harmful bacteria were detected).

A COLOR CHANGE FROM PURPLE INDICATES UNSAFE CONDITIONS

- 7) For positive results, add bleach to the sample before pouring down the toilet, then wash hands thoroughly. Negative samples may be poured directly into the toilet. Discard vial in the trash.

Instructions: Lead/Pesticide Test

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 U.S. at or below the EPA Maximum Contaminant Level (atrazine – 3 ppb and simazine – 4 ppb).

Carefully Read Instructions Before Beginning Test.

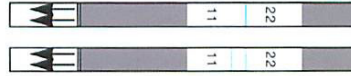
- 1) Open Lead/Pesticide packet and take out all contents. The packet contains a test vial, dropper pipette, one Lead Test Strip, one Pesticide Test Strip, and a desiccant (to be discarded).
- 2) Collect water sample in a clean glass. Using dropper, place water sample into test vial. To pick up sample, 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 to expel sample into vial.
- 3) **USE ONLY ONE DROPPER-FULL OF WATER!** Swirl vial gently for several seconds. Place on a flat surface.
- 4) Place both test strips into the test vial, with arrows pointing down.
- 5) Wait 10 minutes. **DO NOT** disturb strips or vial during this time.
- 6) Blue lines will appear on the strips. Take the strips out of the vial and read the results.

USE RESULT INDICATORS BELOW FOR BOTH TEST RESULTS.

NEGATIVE: Bottom line (next to number 1) is darker than top line (next to number 2). If you only see one line next to number 1, the test is negative.



Positive: Top line (next to number 2) is darker than bottom line (next to number 1) or 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. The test should be performed again. If a test strip shows a positive result, your water sample may contain lead or pesticides at a toxic level.

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