Lead / Pesticide Test Instructions

(Pb) (Pe)

The **Watersafe® Lead Test** can detect dissolved lead at levels below the EPA Action level of 15 parts per billion (ppb). The **Watersafe® 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 **Lead / Pesticide** packet and take out all contents. The packet contains a test vial, a dropper pipette, two **Watersafe®** test strips, and a desiccant (to be discarded).

2. 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.

3. 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. Blue lines will appear on the strips.

6. 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 LEFT line (next to number 1), or lines are equally dark (Both LEFt and RIGHT lines are equally dark)

7. 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.

Water Test Desired Values

EPA maximum contaminant levels or guideline standards

● Bacteria	None
● Lead	Below 15 ppb
● Pesticides (atrazine)	Below 3 ppb
● Pesticides (simazine)	Below 4 ppb
● Total Nitrate/Nitrite	Below 10.0 ppm
● Nitrite	Below 1.0 ppm
● Total Chlorine	Below 4 ppm
● pH	6.5 to 8.5
● Total Hardness	50 ppm or less
● Copper	1.3 ppm
● Iron	0.3 ppm

NOTE: If your water tests outside the desired values, call 1.800.438.1942.

Please note that **Watersafe®** is a screening test and can not be used to certify water as safe or unsafe for drinking. **Watersafe®** provides approximate results ONLY when used in strict accordance with instructions. Silver Lake Research Corporation expressly disclaims any liability resulting from use of this product, failure to follow instructions, or reliance on test results.

(Sl) (R)

silver lake research
discovertesting.com
888.438.1942

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watersafe®
well-water test

This **Watersafe®** test kit contains everything you need to find out simply and accurately if your water contains unsafe or undesirable levels of ten common contaminants. Follow instructions carefully for each test, and compare results to the Desired Values.

Drinking water which tests outside the desired values may be dangerous to your health.

Before You Begin

1. Contents - One Bacteria Test Vial
   - One Lead / Pesticide Test Packet
   - One Nitrate / Nitrite Test Packet
   - One pH / Hardness / Chlorine Test Packet
   - One Copper Test Packet
   - One Iron Test Packet

2. **Keep tests out of reach of children or pets. Do not ingest anything from this test kit. Do not drink the water sample 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.

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

4. **Read and follow all instructions carefully.**

B
Bacteria Test Instructions

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 to 1/2 inch below the top (to 5 ml line). DO NOT OVERFILL and DO NOT SPILL the bacterial growth powder in the vial.
4. Replace the cap and twist on tightly. Shake the vial vigorously for 20 seconds.
5. Place the capped vial upright in a warm area (70-90°F) where it cannot be disturbed for 48 hrs.
6. After 48 hrs., observe the color of the liquid without opening the vial:
   Purple Color: Negative Result (No bacteria were detected)
   Yellow Color: Positive Result (It is highly likely that potentially harmful bacteria were detected)
7. For positive results, add bleach to the sample before pouring down the toilet, then wash hands carefully. Negative samples may be poured directly into the toilet. Discard vial in the trash.

Cu
Copper Test Instructions

1. Collect a fresh water sample.
2. Open **Watersafe®** test kit and remove the Copper Test Strip from the foil packet.
3. Dip the test strip into the sample for 30 seconds, waving in a gentle back and forth motion.
4. Remove the strip and shake once to remove excess water.
5. Wait 2 minutes.
6. Match result to the color chart below.

Total **Copper**

| 0 | 0.5 | 1.0 | 2.0 | 5.0 | ppm |
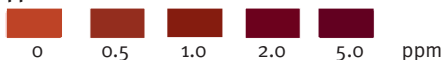
Fe
Iron Test Instructions

1. Collect a fresh water sample.
2. Open **Watersafe®** test kit and remove the Iron Test Strip from the foil packet.
3. Dip the test strip into the sample for 5 seconds, waving in a gentle back and forth motion.
4. Remove the strip and shake once to remove excess water.
5. Wait 2 minutes.
6. Match result to the color chart below.

Total **Iron**

| 0.0 | 0.1 | 0.3 | 1.0 | 5.0 | ppm |

N N
Nitrate / Nitrite Test Instructions

1. Carefully open **Nitrate / Nitrite Test** packet and take out test strip.
2. Immerse the reagent pads into water sample for 2 seconds, remove, after 1 minute match colors to chart below.
3. Colors are stable for 1 minute.

Total **Nitrate/Nitrite** (as N) (end pad)

| 0 | 0.5 | 2.0 | 5.0 | 10 | 20 | 50 | ppm |

Nitrite (as N) (pad nearest handle)

| 0 | 0.15 | 0.3 | 1.0 | 1.5 | 3.0 | 10 | ppm |

pH Hd Cl
pH / Hardness / Chlorine Test Instructions

1. Carefully open **pH / Hardness / Chlorine Test** packet and take out test strip.
2. Immerse the reagent pads into water sample and remove immediately. Hold the strip level for 15 seconds.
3. Match pH, Total Hardness and Total Chlorine pads (in that order) to the color chart.

pH (end pad)

| 6.0 | 6.5 | 7.5 | 8.5 | 10 |

LR Total **Hardness** (middle pad)

| 0 | 50 | 120 | 250 | 425 | ppm |

Total **Chlorine** (pad nearest handle)

| 0 | 2.0 | 4.0 | 10 | ppm |