

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



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)



LR Total Hardness (middle pad)



Total Chlorine (pad nearest handle)



Desired Values For Source Water

These Contaminants Can Damage Or Kill Crops

B Bacteria	Negative
Pe Pesticides	Negative
Cl Total Chlorine	2 ppm or less
Hd Total Hardness	50 ppm or less
pH pH	6.5 ppm or less
Fe Iron	Below 0.1 ppm

NOTE: If your water tests outside the desired values, call the **Watersafe® Hotline** at 888.438.1942.

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.



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US pat. 6,103,536; 6,287,875; 6,368,875; 6,649,418

watersafe®

hydroponics water test



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

Water that tests outside the Desired Values may be detrimental to your hydroponic system.

Before You Begin

1. Contents - One Bacteria Test Vial
 - One Pesticide Test Packet
 - One pH / Hardness / Chlorine 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.**



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.



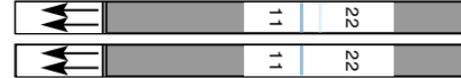
Pesticides Test Instructions

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 **Pesticide** packet and take out all contents.
The packet contains a test vial, a dropper pipette, one **Watersafe®** test strip and a desiccant (to be discarded).
2. Using dropper, place **one dropper full** 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 test strip into the test vial, with arrows pointing DOWN.

5. Wait 10 minutes. Do not disturb strip or vial during this time. Blue lines will appear on the strip.
6. Take the strip out of the vial and lay it 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)

If you only see the LEFT 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 pesticides at a toxic level.



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. Immerse the reagent pad into water sample for 5 seconds, waving in a gentle back and forth motion.