

watersafe[®]

Drinking Water Test Kit



INSTRUCTIONS FOR USE

REF WS-425D

ABOUT THIS PRODUCT

This Watersafe® test kit includes everything needed to screen drinking water for nine common water-quality parameters. Follow the instructions for each test and compare your results with the reference values.

Results outside the reference values may indicate a potential water-quality concern and may warrant further testing.



Kit Components

- One Lead Test Packet
- One Bacteria Test Vial
- One Copper Test Packet
- One Iron Test Packet
- One Nitrate / Nitrite Test Packet
- One pH / Hardness / Chlorine Test Packet

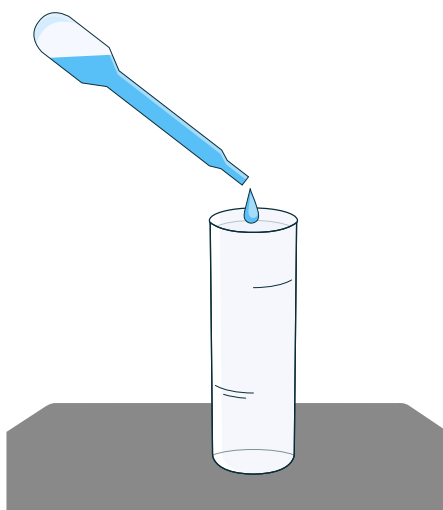
⚠️ Precautions and Warnings

- Do not open foil pouch prior to use.
- Do not reuse any components of the test kit.

🌡️ Storage

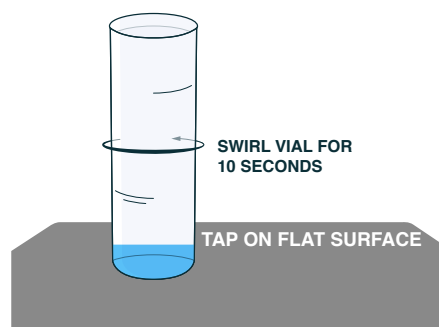
- Store at room temperature (10-30°C/50-86°F)
- Do not use after expiration date on packaging

LEAD TEST INSTRUCTIONS



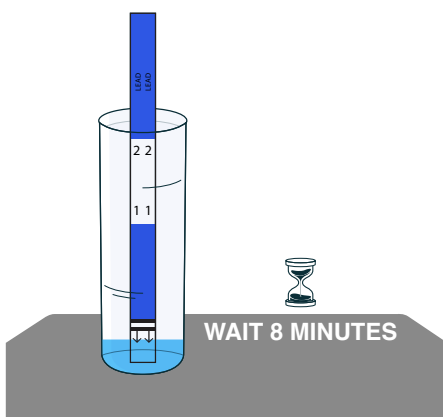
Step #1

Using the Pipette,
Add Seven (7) drops of drinking water
into the Test Vial.



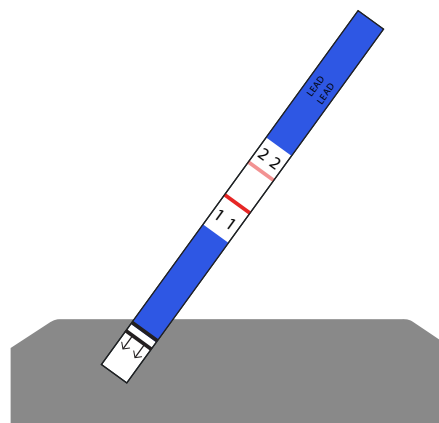
Step #2

Swirl Test Vial for 10 seconds.
Make sure all liquid is at the
bottom of the Test Vial by tapping
it gently on a flat surface.



Step #3

Place Test Strip into the Test Vial with arrows
pointing DOWN. Wait 8 MINUTES. Do not disturb
the Test Strip or Test Vial during this time.



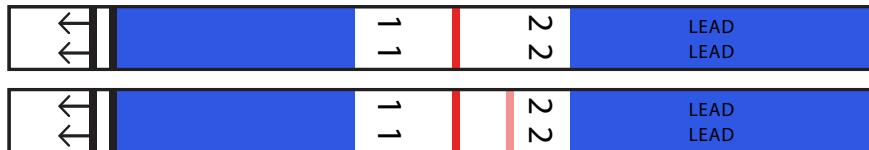
Step #4

Take Test Strip out of Test Vial
and Interpret the results.

INTERPRETING THE RESULTS

Negative Result:

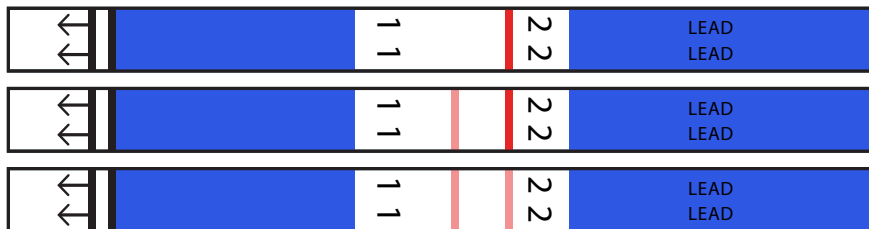
Line 1 is darker than Line 2 (or only Line 1 is visible)



Negative

Positive Result:

Lines are equally dark, or Line 2 is darker than Line 1, or only Line 2 is visible



Positive

Invalid Result:

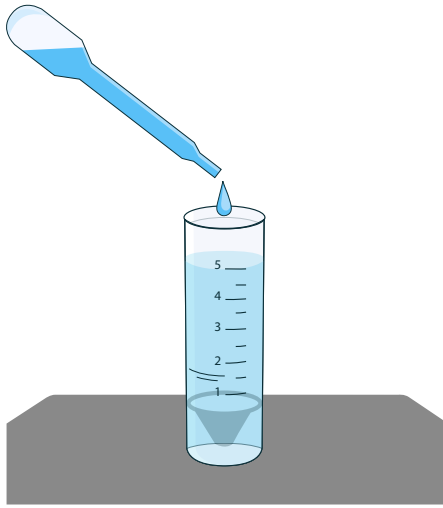
No lines appear



Invalid

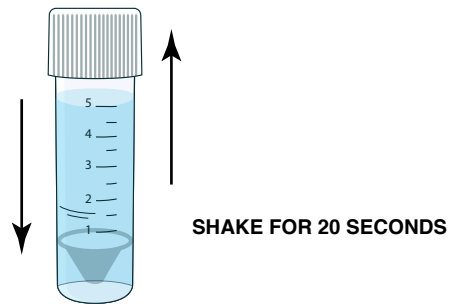
IF THE TEST IS POSITIVE, YOUR WATER SAMPLE MAY CONTAIN LEAD AT A TOXIC LEVEL.

BACTERIA TEST INSTRUCTIONS



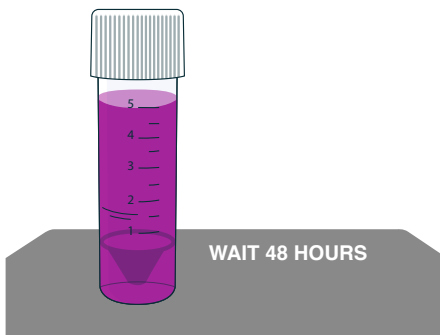
Step #1

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.



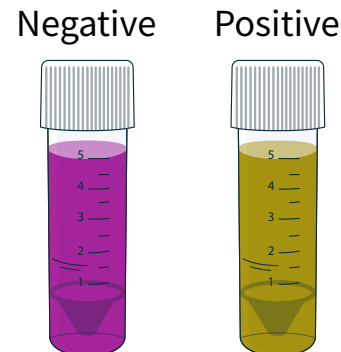
Step #2

Replace the cap and twist on tightly. Shake the vial vigorously for 20 seconds.



Step #3

Place the capped vial upright in a warm area (70-90°F) where it cannot be disturbed for 48 hrs.



Step #4

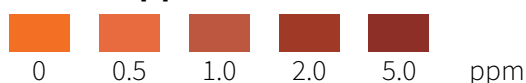
After 48 hrs. observe the color of the liquid without opening the vial:
Purple Color: Negative Result
(No bacteria were detected)
Yellow Color: Positive Result
(It is highly likely that potentially harmful bacteria were detected)



COPPER TEST INSTRUCTIONS

1. Carefully open **Copper** packet and take out test strip.
2. Immerse the reagent pad into water sample for 30 seconds, waving in a gentle back and forth motion.
3. Remove the strip and shake once to remove excess water.
4. Wait 2 minutes.
5. Match result to the color chart below.

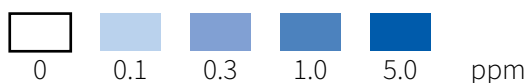
Total Copper



IRON TEST INSTRUCTIONS

1. Carefully open **Iron** packet and take out test strip.
2. Immerse the reagent pad into water sample for 5 seconds, waving in a gentle back and forth motion.
3. Remove the strip and shake once to remove excess water.
4. Wait 2 minutes.
5. Match result to the color chart below.

Total Iron

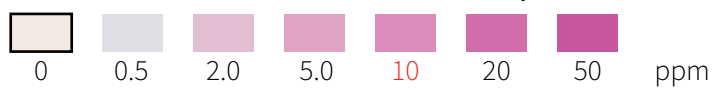




NITRATE / NITRITE TEST INSTRUCTIONS

1. Carefully open **Nitrate / Nitrite Test** packet and take out test strip.
2. Immerse the reagent pads into water sample for 2 seconds.
3. Remove the strip and shake once to remove excess water.
4. Wait 1 minute.
5. Match result to the color chart below.

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



Nitrite (as N) (pad nearest handle)



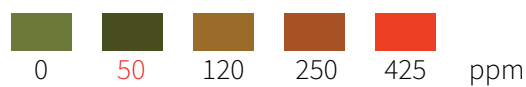
pH / HARDNESS / CHLORINE TEST INSTRUCTIONS

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

pH (end pad)



Total Hardness (middle pad)



Total Chlorine (pad nearest handle)





WATER TEST REFERENCE VALUES

EPA LIMITS, ACTION LEVELS & GUIDELINES

● Bacteria	Not detected
● Lead	10 ppb or less
● Copper	1.3 ppm or less
● Iron	0.3 ppm or less
● Total Nitrate/Nitrite	10.0 ppm or less
● Nitrite	1.0 ppm or less
● pH	6.5 to 8.5
● Total Hardness	50 ppm or less
● Total Chlorine	4 ppm or less

Please note that Watersafe® is a screening test and cannot be used to certify water as safe or unsafe. 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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