



EN Pool & Hot Tub Water Test Kit

AquaVial™ SWIM is designed for testing recreational water (pool, hot tub, etc) and consists of three tests: AquaVial™ Coliform, AquaVial™ Pseudomonas, and AquaVial™ Total Bacteria. AquaVial™ SWIM is a quick and convenient screening test and does not replace mandatory water testing through an accredited laboratory.

AquaVial™ Coliform (yellow cap vial) detects coliform bacteria in concentrations as low as 1 CFU/ml within 24 hours when incubated at 35-40 oC (95-104 oF), or 48 hours at 20-25 oC (68-77 oF). AquaVial™ Pseudomonas (green cap vial) detects Pseudomonas bacteria at concentrations as low as 1 CFU/ml in 24-48 hours at 20-25 oC (68-77 oF). AquaVial™ Total Bacteria (blue cap vial) detects bacteria and fungi concentrations as low as 100 CFU/ml (100 bacteria per ml) in 24 hours at 20-25 oC (68-77 oF).

KIT CONTENT:

- 2 AquaVial™ Coliform vial (yellow cap)
- 2 AquaVial™ Pseudomonas vial (green cap)
- 2 AquaVial™ Total Bacteria vial (blue cap)

IMPORTANT SAFETY NOTES:

The media in the vials are non-toxic and; therefore pose no significant hazard provided that the directions for use are followed. **DO NOT INGEST.** Not recommended for children (small parts) Store at temperatures above freezing. For best results, test before the expiration date indicated on the box

TIP:

Have a white background (i.e. a piece of paper) and a camera ready before starting the tests. This will help observing the colour change.

DISPOSAL:

Vials can be disposed off in the trash. For recycling, please contact an authorized waste disposal company.

Warning: Do not attempt to open the vials after test completion or dispose of their contents into your sink. Vials need to be autoclaved prior to opening for recycling or otherwise content disposal.

IMPORTANT:

Please read the directions carefully and watch the instructional video, before starting the test. Follow the steps below in the exact order to obtain an accurate reading of your water quality. Any deviation may cause cross contamination or ruin the sample, possibly resulting in false positive or false negative results.

DIRECTIONS FOR USE:

STEP-BY-STEP VIDEO INSTRUCTIONS:

www.aquasafe.com/products/aquavial-swim

Step 1: Collect Water Sample

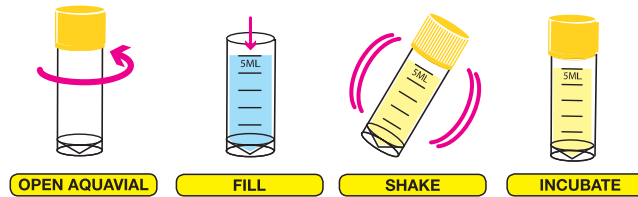
Using a clean glass or plastic container, collect at least **100 ml of sample for testing.**

Step 2: AquaVial™ Coliform test

OPEN VIAL: Twist to remove the cap of AquaVial™ Coliform (yellow cap)
FILL VIAL: Pour water sample. Sample water should not exceed the 5 ml fill line. Twist clock-wise to close the vial.
DO NOT LEAVE THE VIALS OPEN.

SHAKE: Shake the vial well to dissolve the dry media deposited on the side wall of the vial. The liquid in vial should appear yellow in color. **Tip:** Take a picture of the vial against a white background.

INCUBATE: Let the AquaVial™ Coliform (yellow cap) vial incubate in an upright position for 48 hours at 20-25°C (68 – 77°F) and check for changes in colour.



Compare the color of the reagent in the test vial against the colour diagrams below:



WARNING:

Do not attempt to open the vials or dispose off their contents into your sink after test completion.

RESULTS INTERPRETATION:

If the solution changes its colour to orange or pink **within 48 hours at 20-25°C (68 – 77°F)**, extreme caution should be exercised, and you should not come into contact, ingest or shower with this water, until further testing has been conducted and additional analysis performed. This test is intended for rapid screening only.

If the vial change color within minutes after adding the water sample, the result should be considered as a “false positive” results, as the colour change is most likely caused by the chemical composition of the water sample.

Step 3: AquaVial™ Pseudomonas test

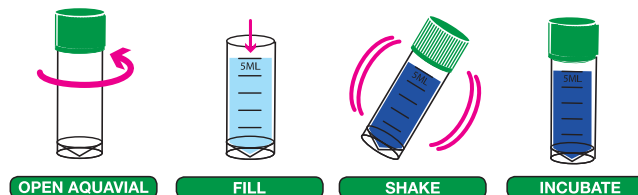
OPEN VIAL: Twist to remove the cap of AquaVial™ Pseudomonas (green cap)

FILL VIAL: Pour water sample. Sample water should not exceed the 5 ml fill line. Twist clock-wise to close the vial.

DO NOT LEAVE THE VIALS OPEN.

SHAKE: Shake the vial well to dissolve the dry media deposited on the side wall of the vial. The liquid in vial should appear blue in color. **Tip:** Take a picture of the vial against a white background.

INCUBATE: Let the AquaVial™ Pseudomonas (green cap) vial incubate in an upright position for 48 hours at 20-25°C (68 – 77°F) and check for changes in colour.



Compare the color of the reagent in the test vial against the colour diagrams below:



WARNING:

Do not attempt to open the vials or dispose of their contents into your sink after test completion.

RESULTS INTERPRETATION:

If the solution changes its colour to purple or pink **within 48 hours**, the water sample contains Pseudomonas bacteria above 1CFU/ml Pseudomonas bacteria can lead to infections in people with weak immune system (pseudomonas infections). Caution should be exercised when swimming or showering with water when Pseudomonas bacteria is detected.

If the vial change color within minutes after adding the water sample, the result should be considered as a “false positive” results, as the colour change is most likely caused by the chemical composition of the water sample.

Step 4: AquaVial™ Total Bacteria test

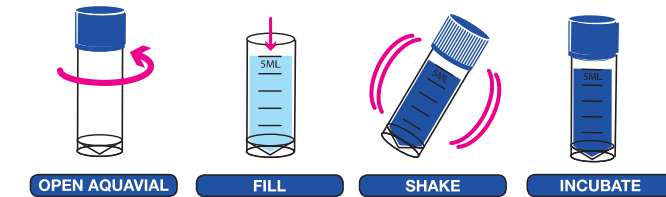
OPEN VIAL: Twist to remove the cap of AquaVial™ Total Bacteria (blue cap)

FILL VIAL: Pour water sample. Sample water should not exceed the 5 ml fill line. Twist clock-wise to close the vial.

DO NOT LEAVE THE VIALS OPEN.

SHAKE: Shake the vial well to dissolve the dry media deposited on the side wall of the vial. The liquid in vial should appear blue in color. **Tip:** Take a picture of the vial against a white background.

INCUBATE: Let the AquaVial™ Total Bacteria (blue cap) vial incubate in an upright position for 24 hours at 35 - 40°C (95 - 104°F) or 48 hours at 20-25°C (68 – 77°F) and check for changes in colour.



Compare the color of the reagent in the test vial against the colour diagrams below:



WARNING:

Do not attempt to open the vials or dispose off their contents into your sink after test completion.

RESULTS INTERPRETATION:

If the solution changes its colour to purple or pink **within 24 hours at 35 - 40°C (95 - 104°F) or 48 hours at 20-25°C (68 – 77°F)**, and the AquaVial Coliform and AquaVial Pseudomonas vials have maintained its original color, bacteria other than Pseudomonas and Coliform has been detected in the water sample above the 100 CFU/ml level. No specific precaution should be taken in this case, however the water treatment should be monitored and/or adjusted to control the microbial level.

If the vial change color within minutes after adding the water sample, the result should be considered as a “false positive” results, as the colour change is most likely caused by the chemical composition of the water sample.

For more information visit us at:



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