safe home TEST KITS

DO-IT-YOURSELF
Bacteria in Water Test Kit

Safe Home® DIY test vials are designed to be used in the home or remote areas. This presence/absence test detects more than 50 different species of coliform bacteria in water, including *E. coli*, down to 1 organism.

IMPORTANT INFORMATION: READ BEFORE STARTING

Use—Product is designed to test fresh water only. **Test Media—Composition:** a mixture of organic and inorganic compounds. **Ingredients:** Sodium Chloride, Tryptose, Dipotassium Hydrogen Orthophosphate, Potassium Dihydrogen Phosphate, L-Tryptophan, D-Glucitol. Does not contain any chemicals known to cause cancer, birth defects, or any other reproductive defects. **Handling**—Before use, keep the contents of this test kit tightly closed in a dry place, away from direct sunlight, and at a temperature between 59°F and 77°F (15°C–25°C). Keep away from strong oxidizing agents (e.g. household chemicals, high-humidity spaces such as bathrooms, kitchens and basements, etc). Do not touch the mouth of the vial or the inside of its cap. When the test is complete, dispose of the vial and its contents as directed. **First Aid**—Do not ingest test media. If test media is swallowed, drink plenty of water. If test media is inhaled, seek fresh air. If test media makes skin contact, wash off with plenty of water and remove contaminated clothing. If test media makes eye contact, flush eyes under running water for several minutes. Consult a doctor if feeling unwell. **Caution**—Test kit is not intended for use by children without adult supervision. **Disclaimer**—This test kit is designed to screen for coliform bacteria only and cannot guarantee the safety of the water tested from other contaminants that may be present.

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QUESTIONS?: (1-888-932-6699 customerservice@envirotestkits.com

SafeHomeTestKits.com

FULL-LENGTH INSTRUCTIONS

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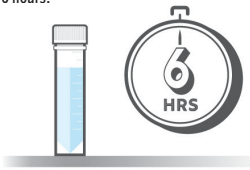
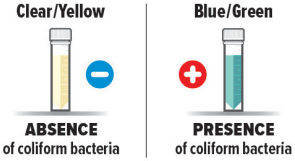
1. Wash hands before starting. Remove vial from box. Turn on the cold water tap and allow it to run for about 5 minutes before sampling. Reduce the size of the water flow to about the diameter of a pencil. Unscrew cap from vial completely and set it aside. Tilt vial slightly underneath the water flow and slowly fill it up to the 25 mL mark. **Do not fill vial above the 25 mL mark. Do not overflow vial.** Screw cap back onto vial tightly and shake it until the media inside has completely dissolved.

2. Set vial upright on a flat surface in an indoor or outdoor area. **Keep vial out of direct sunlight.** The temperature of the area should remain 70°F–105°F (21°C–40°C) during the incubation period. 95.5°F (35.3°C) is best but not necessary. Let your water sample incubate for 6 hours.



3. After 6 hours, without opening the vial, observe the color of the water. If the water color has turned **any shade of blue/green,*** your test result is positive for coliform bacteria and the test is complete.

   If the water color is clear/yellow, allow sample to continue incubating for an **additional 66 hours** to confirm a negative test result for coliform bacteria (72 total hours). Lower incubation temperatures and/or lower bacterial counts can extend the total incubation period before positive detection becomes evident. Shaking the vial for several seconds every 8–12 hours can accelerate possible color change, but is not required. If the water color turns **any shade of blue/green*** within the extended incubation period, your test result is positive for coliform bacteria. If the water color remains clear/yellow, your test result is negative for coliform bacteria.



***Hue and intensity may vary.**

NOTE: A positive test result could include *E. coli*.

4. When the test is complete, empty contents of vial into toilet. Place a few drops of household bleach into vial. Recap vial, shake it, and again empty contents into toilet. Dispose of vial in a standard waste container. Wash hands with soap and warm water.