



Easy Water Coliforms Test



Drink Safe

Protect Yourself

Introduction:

Many water utilities are required to monitor source water for the presence of total coliforms, fecal coliforms, or both.

This method is prescriptive. It describes the selective isolation of total coliforms and *E. coli* environmental water sources such as fresh water, surface water, ground water, etc.

Fecal coliforms (FC) and *E. coli* are a sub-group of TC that are more associated with the feces of people and warm-blooded animals. FC or *E. coli* presence can indicate contamination of water supplies resulting in an increased risk of the presence of waterborne pathogens. Bacterial indicators such as TC and *E. coli* are also valuable indicators of the performance of drinking water treatment processes and distribution system integrity.

This method does not meet the prescriptive elements required for testing and reporting drinking water samples. It is intended for the analysis of environmental test samples (including those that may potentially be used as drinking water sources).

Kit Content:

- One hand book
- Two sterile buttle (For two safety water test)
Each bottle contains an special nutrient powder. When water added to bottle, the nutrients solve in the water and provide red to purple color.

Procedure:

1. Add roughly 100ml water you want to test to one of the bottles and keep close the cap of bottle.
2. Mix sample water with nutrient in the bottle for 30 second slowly to solve nutrient in water.
3. Keep the bottle at $35 \pm 2^{\circ}\text{C}$ for 18 to 24 hours or $21-25^{\circ}\text{C}$ for 24 to 48 hours.
4. If there are Total or Fecal Coliform bacteria in the sample water, they will use the nutrients in the bottle. After 24 or 48 hours of adding the water in the bottle turns bright yellow.
5. If there is not any Coliform bacteria in the sample water, the nutrients after 24 or 48 hours of adding the water in the bottle will be red to purple color.

Uses & Beneficials:

- Allow you to test at home.
- Sending off sample water to a lab to test.
- Using simple for any people in nature.
- The easy way to truly know water is safe to drink.
- Checking for Total & Fecal Coliform according to official Canadian drinking water guidelines.

References:

1. Microbiology (Nov 2018) Detection of Total Coliforms and E.coli in Water by Membrane Filtration and Chromocult® Coliform Agar (CCA) - Prescriptive
2. US EPA (2002) Method 1604: Total Coliforms and Escherichia coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium)

Safe

Contaminated

Total & Fecal Coliform Water Test

All Water Sources

Ready to use

48 Hour

For Coliform bacteria
(E. coli Contamination)



Made in Canada

Procedure:

1. Add 100 ml water to bottle
2. Shake for 30 seconds
3. Keep 18-24 hours at 35 °C or 24-48 hours at 21-25 °C
4. Check the color. Yellow color means contamination with coliforms and red-purple means non-contaminated water.

Store in ambient condition and keep away from direct sunlight

Contact us at: info@cbsalife.com
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Red/Purple

Yellow

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