



The Revolutionary 16 - 48 Hour Water Test

Colitag™ 16 - 48 Hour Water Test (P/A and MPN) detects as few as 1 colony-forming unit (CFU) of *E. coli* and other coliform bacteria in 100-mL of water. This package contains 100 Snap Top Blisters with a shelf life of 22 months from the manufacture date.

Instructions: Test Procedure for Total Coliforms and *E. coli* Bacteria, definitive result reading between 16 and 48 hours

For sample reading between 16 to 22 hours:

1. Aseptically add the Colitag™ to a 100-mL test water sample in a sterile vessel.
2. Secure vessel top and agitate to begin dissolution.
3. If sample is not already at 33-38°C, then place vessel in a 44.5°C water bath for 7 to 10 minutes.
4. Incubate sample at 35 °C ± 0.5 °C for the remainder of the desired incubation time, 16 to 22 hours.
5. Read results according to the sample interpretation method listed below.

For sample reading between 22 to 48 hours:

1. Aseptically add the Colitag™ to a 100-mL test water sample in a sterile vessel.
2. Secure vessel top and agitate to begin dissolution.
3. Incubate the sample at 35 °C ± 0.5 °C for 22 to 48 hours.
4. Read results according to the sample interpretation method listed below.

Sample Interpretation:

1. Visually check each sample against the Colitag™ Comparator (P/A).
 - a. If sample color is yellow, and of equal or greater color than the yellow Colitag™ Comparator (P/A), then the sample is positive for coliform bacteria.
 - b. If no yellow coloring is observed in the sample, then the sample should be recorded as negative for coliform bacteria.
2. Examine the solution for fluorescence using a long wavelength (365 nm) UV lamp.
 - a. If bright blue fluorescence is observed, *E. coli* bacteria are present.
 - b. If no fluorescence is observed, the sample should be recorded as negative for *E. coli*.

Product Storage:

Store at 4.0 °C to 30.0 °C, away from light. The shelf life of Colitag™ is 22 months from the manufacture date. Product expiration date is printed on the box and individual blisters.

The Material Safety Data Sheet for Colitag™ is available upon request or by visiting us on our websites at:

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