



readycult

EPA approved

Ready for ReadyCult[®]

The rapid and economical, E.coli/coliform and Enterococci tests for drinking water.



ReadyCult® – Consider the differences...

Rapid detection and identification of microorganisms are of high importance. The use of fluorogenic and chromogenic substrates, utilizing specific enzymatic activities of target microorganisms, for rapid and sensitive detection of bacteria has proved to be a powerful alternative to conventional microbiology methods.

Now you have a better way to test for enterococci and coliforms including an additional positive confirmation of E.coli. Until now, the most commonly used method to test for E.coli / coliforms was based on an ONPG-MUG assay, which necessitated the use of a color comparator to interpret initial results. The ReadyCult® Coliform test will detect total coliforms and E.coli in water samples - even in the presence of an initial background concentration of a million heterotrophic bacteria in 100 ml.

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Coliforms/E.coli

Enterococci

Now the choice is easy:

With the ReadyCult® test the color change from yellow to blue-green is an easy-to-read, definitive positive result.

With the optional 30-second Indole reaction you have an accurate method for positive confirmation of E.coli.

The additional Indole test protects you in two ways: Against false negatives, because a lack of fluorescence doesn't always indicate absence of E.coli and against false positives, because other species of bacteria can fluoresce. The ReadyCult® test method is EPA approved.

1 Ready



2 Steady



Just add ReadyCult® to 50 or 100 ml sample and mix (Enterococci test to 100 ml sample).



Incubate up to 24 h at 35-37°C.



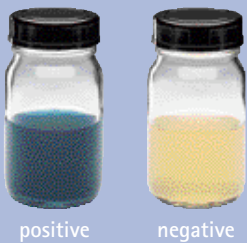
Your advantages

- Convenient**
 - The media are supplied in ready-to-use snap-pack format
 - Designed for on-site testing
 - No media preparation required
 - Simply add medium, incubate and read results
- Rapid**
 - Results within 18 to 24 hours
 - Results 3-4 days earlier than with traditional methods
 - Hands-on time in less than 1 minute
 - Indole results within 30 seconds
- Economical**
 - Reduction of workload and material costs

3

Go!

The EPA approved ReadyCult® method allows you to use the Indole test for immediate E.coli confirmation.



If there is no color change the test is negative (turbidity does not indicate a positive test).

Any color change in the broth to blue-green, even if only at the upper section, confirms the presence of total coliforms.

Interpretation of results.



If there is no color change the test is negative (turbidity does not indicate a positive test).

Any color change in the broth to blue-green, even if only at the upper section, confirms the presence of enterococci.

X-Gal positive, MUG positive



94 - 97% E.coli specific

A light-blue fluorescence indicates the presence of E.coli.

X-Gal positive, MUG positive, Indole positive



E.coli confirmed

For confirmation the Indole test can be performed directly in the same broth by adding Bactident® Indole (red ring appears immediately).

...save money,
get the benefits!

Ordering information

Product	Cat. No.	Package size
ReadyCult® Coliforms 50	1.01295.0001	20 tests
ReadyCult® Coliforms 100	1.01298.0001	20 tests
ReadyCult® Enterococci 100	1.01299.0001	20 tests
Bactident® Indole	1.11350.0001	30 ml dropper bottle
Kovac's Indole Reagent	1.09293.0100	100 ml
UV Lamp (365 nm)	1.13203.0001	

Approvals / References

- USEPA: 40 CFR Part 141 (Sec.141.21) Federal Register / Vol. 67, No. 209, Tuesday, October 29, 2002 / Rules and Regulations
- Microbiology Manual for the Meat Industry, 3rd Edition April 2000, New Zealand, Chapter 11 Testing Potable Waters for Indicator Bacteria, A1.1 Chromogenic Substrate Methods for Total Coliforms and *E. coli*
- Ministry of Health, New Zealand, Drinking Water Standard for New Zealand 2000 (DWSNZ:2000), Enzyme Substrate Coliform Test
- Manafi, M., Rosmann, H; Identification of Bacterial Strains Isolated from Drinking Water by Means of Fluorocult LMX and ReadyCult Coliforms. 100th American Society of Microbiology, Los Angeles, 21-25th May 2000.
- Manafi, M., Rosman; Evaluation of ReadyCult® Presence/Absence Test for the Detection of Total Coliforms and *E. coli* in Water. 98th American Society of Microbiology, Atlanta, 17-21st May 1998
- Lee, J.V., Lightfoot, N.F., Tillett, H.E; An evaluation of presence/absence tests for coliforms and *Escherichia coli*. International Conference on Coliforms and *E. coli*: Problem or solution? 24-26th September 1995, University of Leeds, UK

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