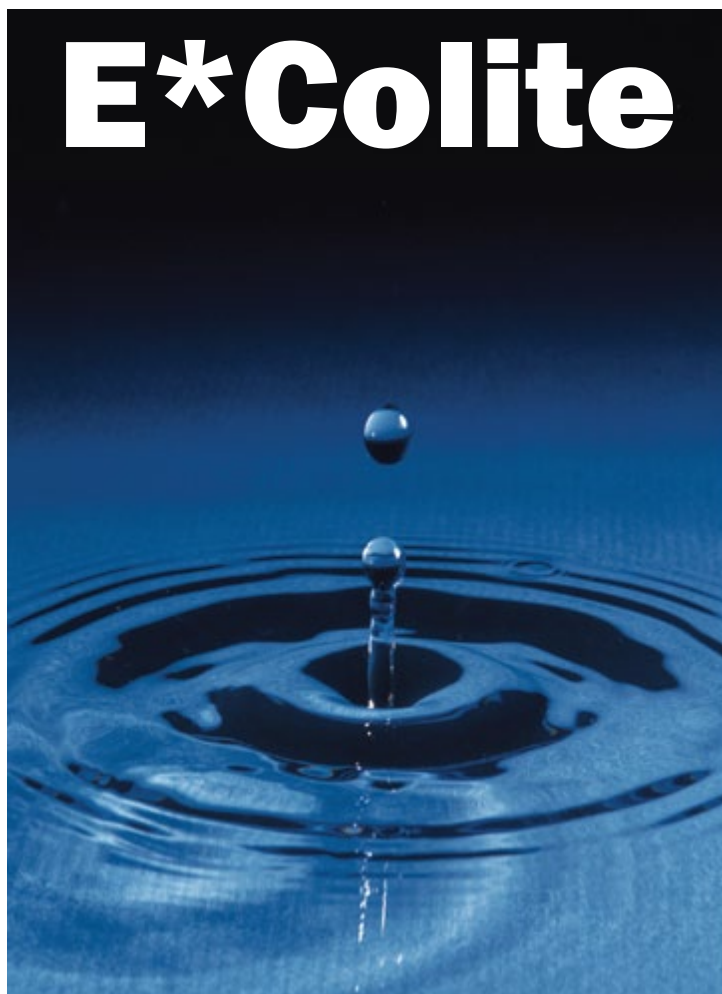


E*Colite: Test for Total Coliforms and *E. coli* in Potable Water

E*Colite



U.S. EPA Approved

CHARM® E*Colite TEST AT A GLANCE

- Presence/Absence of coliforms and *E. coli* in potable water
- Unique single-use self-contained, Burst-a-Seal bag
- Thiosulfate and bactericide included
- Coliform results in 28 hours
- Easy interpretation of results – blue color development

ACCURATE AND EASY TO USE

E*Colite rapidly detects a single coliform and/or *E. coli* bacteria in 100 ml of water. E*Colite medium is approved as a presence/absence test under the EPA Total Coliform Regulation and the Ground Water Rule for potable water. E*Colite is also available in a new, not yet approved vial container format with a shortened incubation time. Drinking water, waste water, surface water, ground water, rinse water and reclaimed water can be tested with E*Colite.

EASY VISUAL INTERPRETATION



NEGATIVE
No blue color



POSITIVE
Blue indicates coliform



POSITIVE
Blue fluorescence
indicates *E. coli*

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OVERVIEW OF TEST

E*Colite is a carbohydrate-rich selective medium particularly adept at resuscitation and detection of chlorine stressed coliform and *E. coli* encountered in drinking, bottled and food/beverage waters. The bag design houses all test components. Simply add water sample – no preparation, no test bottles. The bag also acts as a sample container. There is no need for handling collection bottles or loose sodium thiosulfate tablets. Reagents are stable at room-temperature for up to 12 months.

PROCEDURE

Add water sample and seal the bag. Push the water into the medium compartment. Incubate at 35 °C for 28 hours.

INTERPRETATION

E*Colite uses X-gal indicator to produce an indigo blue positive reaction. This blue color, as opposed to traditional yellow color, vastly improves interpretation of turbid, or rust and heterotropic-bacteria contaminated waters.

If the sample turns blue, coliforms are present. If a blue coliform positive sample fluoresces, *E. coli* are present. If a blue sample does not fluoresce, continue incubating an additional 20 hours (48 hours total). If blue growth fluoresces after the 48 hours, the sample is confirmed for *E. coli*. If the blue bag does not fluoresce after 48 hours, the sample is coliform positive and *E. coli* negative.

SENSITIVE

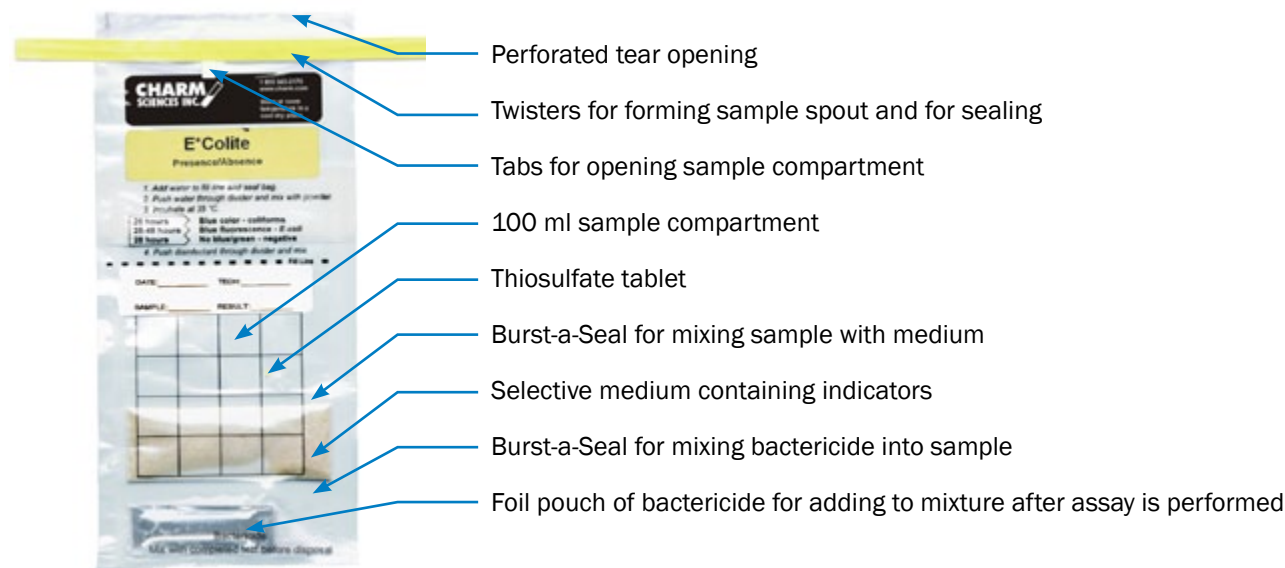
E*Colite detects a single microorganism in 100 ml water and has been demonstrated to have 98% correlation with reference method LTB/BGLB in detecting 4 log chlorine-stressed coliform. It demonstrates a 93% correlation with reference method LTB/ECMUG in detecting 4 log chlorine-stressed *E. coli*.

SPECIFIC

E*Colite uses selective detergents to minimize non-specific bacteria interferences. It recovers stressed organisms more effectively than LTB/BGLB or ECMUG reference methods. In a 500 ml sample comparability study with 4 log chlorine-stressed coliform, E*Colite recovered 53% positive coliform while the reference method recovered 48%. Stressed *E. coli* were recovered 57% in E*Colite versus 48% by the reference method.

BIO-SAFE

A self-enclosed bactericide is provided to introduce a 7-8 log reduction of any grown organisms. The bactericide provides critical bio-safety for operations without access to an autoclave.



ORDER CODES

Four canisters of 25 E*Colite Tests [\[ECOLT-100\]](#)

One canister of 25 E*Colite Tests [\[ECOLT-25\]](#)

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