

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



CHARM® E*Colite VIAL TEST AT A GLANCE

- Presence/Absence of coliforms and *E. coli* in potable water
- Unique single-use self-contained vial
- Thiosulfate and bactericide included
- Coliform results in 24 hours and *E. coli* results in 24 - 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 in bag format is approved as a presence/absence test under the EPA Total Coliform Regulation and Ground Water Rule for potable water. The new, enhanced vial container format with shortened incubation time is not yet approved. 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.

PROCEDURE

Add water sample to the vial fill-line. If applicable, add tablet and dissolve thiosulfate tablet. Add contents of E*Colite packet and incubate at 35 °C for 24 hours. Interpret visually, and if necessary, continue to 28 hours for fluorescent result interpretation.

INTERPRETATION

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

A sample that is Yellow at 24 hours is negative (<1 coliform/100 ml). A sample that is Blue after 24 hours should be observed for fluorescence under 366 nm UV light. If fluorescent, then the sample is positive for *E. coli*. If the sample does not fluoresce, it should be incubated 4 more hours (28 hours total). If not fluorescent at end of 28 hours, the sample is positive for coliform and negative for *E. coli*. If fluorescent, the sample is positive for *E. coli*.

TEST KIT



ORDER CODES

100 E*Colite Vial Test Kit: [\[ECOLT-V-100K\]](#)

20 E*Colite Vial Test Kit: [\[ECOLT-V-20K\]](#)

Kits contain relevant number of:

- ▶ Sterile vessels with caps
- ▶ Media packets
- ▶ Thiosulfate tablets

MAY BE PURCHASED SEPARATELY

- ▶ Sterile, transparent, non-fluorescing 165 ml screw-cap vessel with 100 ml graduation

EQUIPMENT NOT SUPPLIED WITH KIT

- ▶ 35 °C incubator
- ▶ Long wavelength (366 nm) UV light

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