

AquaCHROM™ ECC

For presence/absence of *E. coli* and coliforms
in 100 mL water samples



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Reading

- *E.coli*
→ green to blue-green liquid
- Other Coliforms
→ yellow liquid
- Other
→ colourless +/- growth

Background

Coliforms, *Enterobacteriaceae* able to ferment lactose, are bacteria present in human and warm blooded animals intestinal flora, in the soil and water. Coliforms are indicators of organic, environmental or faecal contamination.

Strict regulations exist for *E.coli*/Coliform absence in water and food samples. This can be explained by the importance of these germs in determining water and food safety.

Worldwide, water and food quality control for human consumption are based on detecting the presence/absence of *E.coli* and coliforms.

E.coli can contaminate drinking water when the water treatment system is inadequate or during periods of very high rainfalls.

Monitoring of food and water production is essential. Contamination may lead to suspension of the water supply and food recall by supermarkets.

Medium Performance

1 Simple method

Add the pre-weighed dose of AquaCHROM™ ECC to a 100 mL water sample, shake and incubate at 37 °C for 18-24h.

2 Detection by naked eye

No need of UV lamp!

Species differentiation is based on the use of two chromogens (instead of obsolete use of chromogene + fluorogene).

3 Very suitable for field test

This culture medium has been also designed for tests in areas where neither incubators nor UV lamps are available. The incubation could be carried out at room temperature (longer incubation) and results are read under daylight. Simple method!



Medium Description

Powder Base	Total	22.3 g/L
	Peptone and growth regulators	20.0
	Chromogenic and selective mix	2.3
	Storage at 15/30 °C - pH: 7.1 ± 0.2	
Shelf Life	2 years	

Usual Samples	100 mL water
Procedure	Incubation at 35-37 °C, 18-24h Aerobical condition.

Scientific Publications on this product: available on www.CHROMagar.com
Please read carefully the instructions for use (IFU document) available on www.CHROMagar.com

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Ordering Information

Product	Order Code
AquaCHROM ECC, 100 x 100 mL	15AQ056