

IVD solutions through partnership



## CHROMagar™ CCA

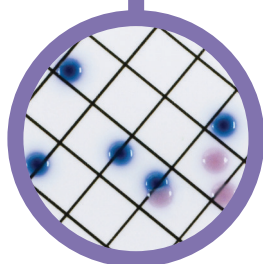
For the detection and enumeration of *Escherichia coli* and coliform bacteria in water according to the ISO 9308-1 norm

CHR  Magar™  
The Chromogenic Media Pioneer

# ● CHROMagar™ CCA

## Plate Reading

- *E. coli*  
→ metallic blue to violet
- Other coliforms  
→ pink to red
- Other bacteria  
→ colourless, inhibited



## For the detection and enumeration of *Escherichia coli* and coliform bacteria in water according to the ISO 9308-1 norm

### Background

Coliforms, Enterobacteriaceae able to ferment lactose (lactose positive Enterobacteriaceae), are bacteria present not only in human and warm blooded animals intestinal flora but also in the soil and water. Coliforms are proof of organic, environmental or faecal contamination. Faecal contamination, due to coliforms coming from animal waste, consists mainly of *Escherichia coli* and thermotolerant *Klebsiella*. Strict regulations exist for *E. coli*/coliform presence in water samples.

This can be explained by the importance of these germs in determining drinking water safety and process efficiency of treatment, storage and distribution.

### Medium Performance

1

#### Simultaneous detection and differentiation

CHROMagar™ CCA allows simultaneous detection and differentiation between *E. coli* and coliforms in one medium! This is helpful to determine if there is organic contamination (coliforms) or faecal contamination (*E. coli*). The use of this technique involves less work in comparison with traditional methods (MI Agar).

2

#### Easy to read

Easy counting of *E. coli* and coliform bacteria by the color.

3

#### Convenient

Especially suitable for waters with low bacterial numbers that will cause less than 100 total colonies, like drinking water, disinfected pool water, or finished water from drinking water treatment plants.

### Medium Description

Powder Base	
Total	31.5 g/L
Agar	14.9
Peptone & Yeast extract	3.0
NaCl	5.0
Sodium dihydrogen phosphate	2.2
Disodium hydrogen phosphate	2.7
Sodium pyruvate	1.0
Tryptophan	1.0
Sorbitol	1.0
Tergitol® 15-S-7	0.15
Chromogenic mix	0.5
Storage at 15/30 °C - pH: 6.8 +/- 0.2	
Shelf Life	3 years

Usual Samples	Water with low bacterial background.
Procedure	Incubation 18-24h 36 °C +/- 2 °C
Scientific Publications on this product: available on <a href="http://www.CHROMagar.com">www.CHROMagar.com</a> Please read carefully the instructions for use (IFU document) available on <a href="http://www.CHROMagar.com">www.CHROMagar.com</a>	

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#### Bestellinformationen

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