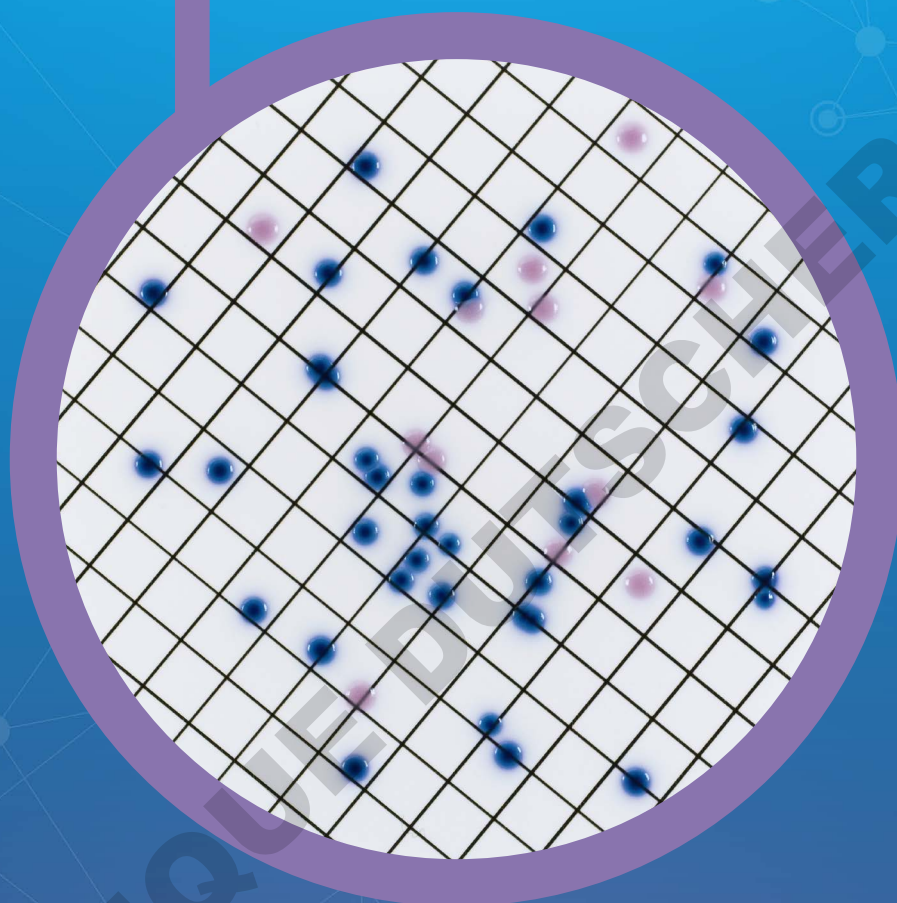


Water industry

● CHROMagar™ CCA

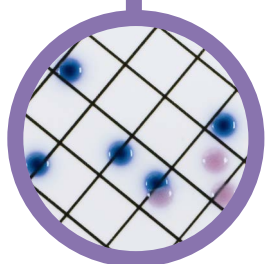


**For the detection and enumeration of
Escherichia coli and coliform bacteria in
water according to the ISO 9308-1 norm**

CHROMagar™
The Chromogenic Media Pioneer

Plate Reading

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



For the detection and enumeration of β -glucuronidase positive *E. coli* and other coliforms in water samples 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 18-24 h, 36 ± 2 °C
Scientific Publications on this product: available on www.CHROMagar.com Please read carefully the instructions for use (IFU document) available on www.CHROMagar.com	

Order References

Please use these product references when contacting your local distributor:

500 G pack.....EF343-500G

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 93210 La Plaine Saint-Denis - France
 Email: CHROMagar@CHROMagar.com
 Website: www.CHROMagar.com
 Find your nearest distributor on
www.CHROMagar.com/contact