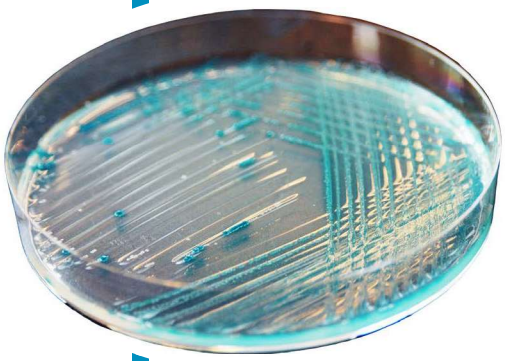
www.CHROMagar.com

CHROMagar™ E.coli

For detection and enumeration of *E. coli*

CHROMagar™
The Chromogenic Media Pioneer

CHROMagar™ E.coli



For detection and enumeration of *E. coli* in food, water and envifonmental samples

Background

Contamination by faecal material from animals can be shown by the detection of *Escherichia coli* in the sample. *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. High contamination may lead to the suspension of the water supply or food recall by supermarkets.
Concerning bathing water, regulations are more and more strict:

- European directive from 1976: 2.000 *Escherichia coli (E. coli)* bacteria for 100 mL of water.
- New directive in 2006: 500 *E. coli* per 100 mL.

The presence of *E. coli* indicates faecal contamination and potential presence of dangerous pathogens such as bacteria like *Vibrio cholerae, Salmonella, Pseudomonas* etc…, or viruses and intestinal parasites. The infections resulting from ingestion of contaminated matter can be dangerous and life-threatening.

Plate Reading

- *E. coli*
→ blue
- Other gram negative bacteria
→ colourless
- Gram positive
→ inhibited

Medium Performance

1 **24 H DETECTION**

2 **EASY READING AND INTERPRETATION**
The general food and water standards limits' are usually from zero to single figure *E. coli* CFU per gram and thus it is important to detect and enumerate them accurately. With CHROMagar™ E.coli, colonies of *E. coli* develop with an intense blue colour - thus making detection and enumeration of this important hygiene indicator as simple as possible.

3 **LIGHTER WORKLOAD**
Traditional *E .coli* detection methods are extremely tedious and labor-intensive, requiring studies of many colonies.

4 **QUALITY**
CHROMagar™ E.coli media contain 5 % more agar than other media on the market. This helps considerably with the application and streaking of the sample onto the plate.
The media is also suitable for the membrane filtration technique or the pouring technique.

Medium Description

Powder Base	Total ..... 37.3 g/L Agar ..... 15.0 Peptone and Yeast extracts ..... 8.3 Sodium chloride ..... 5.0 Chromogenic mix ..... 9.0 Storage at 15/30 °C - pH: 6.0 +/- 0.2 Shelf Life ..... > 18 months

Usual Samples	Processed food, raw materials, water, milk & environment
Procedure	Pouring, Isolation or membrane filtration technique. Incubation 24 h, 37 °C. Aerobic conditions.

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

Version 5.1 / Sep-24
LF-EXT-004-EN

Order References

Please use these product references when contacting your local distributor:
5000 mL pack EC168
25 L pack EC169-25

Manufacturer: CHROMagar, 29 avenue George Sand, 93210 La Plaine Saint-Denis - France
Email: CHROMagar@CHROMagar.com
Website: www.CHROMagar.com

Find your nearest distributor on
www.CHROMagar.com/contact