

CHROMOGENIC CULTURE MEDIA FOR FOOD INDUSTRY & WATER TESTING

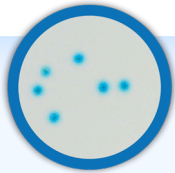
CHROMagar™
The Chromogenic Media Pioneer



SOLUTIONS FOR WATER TESTING

CHROMagar™ E.coli

For detection and enumeration of *E. coli*

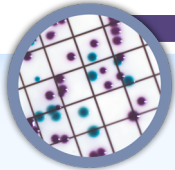


E. coli
Blue

Gram (+) bacteria
Inhibited
Other gram (-) bacteria
Colorless

CHROMagar™ Liquid ECC

For the simultaneous detection and enumeration of *E. coli* and other coliforms in water samples



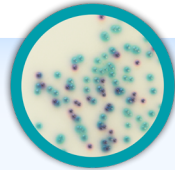
SENSITIVITY 99%¹³ SPECIFICITY 96%¹³

E. coli
Blue

Other coliform bacteria
Purple
Other gram (-) bacteria
Colorless or inhibited

CHROMagar™ Pseudomonas

For isolation and detection of *Pseudomonas* species



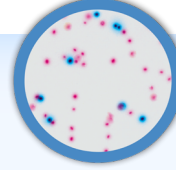
Pseudomonas
including
P. aeruginosa
Blue-green

Other gram (-)
Mauve-violet or inhibited
Gram (+) bacteria
Mostly inhibited

CHROMagar™ ECC

For the simultaneous detection and enumeration of *E. coli* and other coliforms

EXCLUSIVE



E. coli
Blue
Other coliforms
Mauve

Other bacteria
Colorless or inhibited

AquaCHROM™ ECC

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



100 ml water samples.
It can be used in **two ways**:

1 Presence or absence determined by staining the culture medium.

2 MPN method, which measures the bacterial load.

SENSITIVITY ≈100%¹⁴ SPECIFICITY ≈100%¹⁴

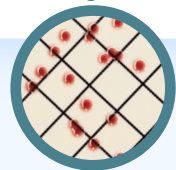


E. coli
Blue to green

Other coliforms
Yellow

CHROMagar™ P.aeruginosa

For the detection and enumeration of *Pseudomonas aeruginosa*



P. aeruginosa
Red

Other Pseudomonas spp.
Inhibited or colourless

Other bacteria, yeast and fungi
Inhibited

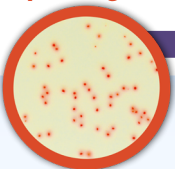


SOLUTIONS FOR FOOD INDUSTRY

CHROMagar™ C.perfringens

For isolation and differentiation of *Clostridium perfringens*

EXCLUSIVE



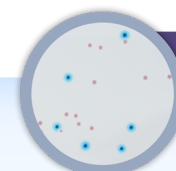
SENSITIVITY ≈100%¹¹ SPECIFICITY ≈100%¹¹

Clostridium perfringens
Orange

Other bacteria
Blue, metallic blue or inhibited

CHROMagar™ Enterobacteria

For detection and enumeration of *Enterobacteriaceae*



SENSITIVITY ≈100%¹² SPECIFICITY ≈100%¹²

E. coli
Blue with/without blue halo
Proteus
Red with swarming

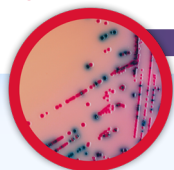
Other enterobacteriaceae
Pink to red
Other bacteria
Inhibited



SOLUTIONS FOR FOOD INDUSTRY

Rambach™ Agar

For detection and isolation of *Salmonella* species



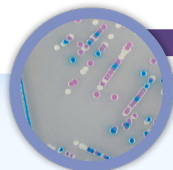
SENSITIVITY 93,9%¹

Salmonella
Red

Coliforms
Blue, violet

CHROMagar™ O157

For the selective isolation and differentiation of *E. coli* O157



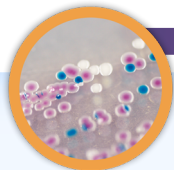
SENSITIVITY 89%²

E. coli O157
Mauve

Other *bacteria*
Blue, colorless or inhibited

CHROMagar™ Vibrio

For isolation and detection of *V. parahaemolyticus*, *V. vulnificus* and *V. cholerae*



SENSITIVITY ≈100%³

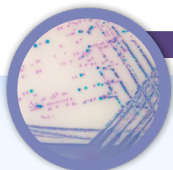
V. parahaemolyticus
Mauve
V. alginolyticus
Colourless

V. vulnificus /
V. cholerae
Green blue to
turquoise blue

RambaQUICK™ Salmonella Method

CHROMagar™ Salmonella Plus

For detection and isolation of *Salmonella* species including lactose positive *Salmonella*



SENSITIVITY 89%⁴

Salmonella
Mauve

Coliforms
Blue

E. coli
Colorless



EXCLUSIVE

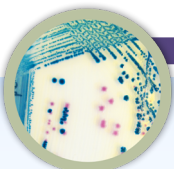


RambaQUICK™ Salmonella

To enhance sensitivity in the detection of *Salmonella* species, including *S. Typhi*, *S. Paratyphi*, and lactose-positive strains

CHROMagar™ Y. enterocolitica

For detection and differentiation of pathogenic *Yersinia enterocolitica*



SENSITIVITY ≈100%⁵

SPECIFICITY 99%⁵



Pathogenic
Y. enterocolitica
Mauve

Non-pathogenic
Y. enterocolitica
and other *bacteria*
Inhibited, limited
growth or metallic blue

CHROMagar™ Staph aureus

For isolation and direct differentiation of *Staphylococcus aureus*



SENSITIVITY 95,4%⁶

SPECIFICITY 99,4%⁶



Staphylococcus aureus
Pink to mauve

Other *bacteria*
Colorless, blue or
inhibited

CHROMagar™ STEC

For detection of Shiga toxin-producing *E. coli* (STEC)



SENSITIVITY 91,4%⁷

SPECIFICITY 86,7%⁷



Most common *STEC*
serotypes
Mauve

Other
enterobacteriaceae
Colorless, blue or
inhibited

CHROMagar™ Campylobacter

For detection, differentiation and enumeration of thermotolerant *Campylobacter*



SENSITIVITY ≈100%⁸

SPECIFICITY 94%⁸



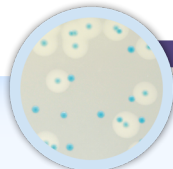
Campylobacter jejuni, *C. coli*, *C. lari*
Red

Other *bacteria*
Blue or inhibited

CHROMagar™ Listeria Method

CHROMagar™ Listeria

For detection, isolation and enumeration of *L. monocytogenes* and *Listeria* species



SENSITIVITY ≈100%⁹

SPECIFICITY ≈100%⁹

L. monocytogenes
Blue, diameter less than 3
mm, regular and white halo

Listeria spp.
Blue, diameter
less than 3 mm



EXCLUSIVE



CHROMagar™ Identification Listeria

For confirmation of positive samples from CHROMagar™ Listeria

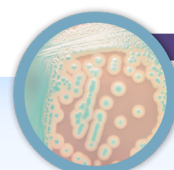
L. monocytogenes
Pink with a white
halo

L. ivanovii
Colorless with
white halo

L. innocua
Pink without halo

CHROMagar™ B. cereus

For detection and enumeration of *Bacillus cereus* group



SENSITIVITY ≈100%¹⁰

SPECIFICITY ≈100%¹⁰

Bacillus cereus group
Blue with white halo

Gram (-) *bacteria*,
yeast and *moduls*
Inhibited

Other *Bacillus*
Blue, colorless or
inhibited

¹ Gruenewald, R. et al. 1991. J.C.M. 29: 2354-2356. ² Bettelheim, 1998. J. Appl. Microbiol. ³ Di Ponto et al., 2010. Food Control. ⁴ de Beaumont et al. 2006. ECCMID. ⁵ Renaud et al., 2013. J. Clin. Microbiol. ⁶ Gaillot et al., 2000. J. Clin. Microbiol. ⁷ Gouali et al., 2013. Eur. J. Clin. Microbiol. ⁸ Bensersa-Nedjar et al., 2017. RICAI. ⁹ CHROMagar Listeria Method Validation Report, 2003. ¹⁰ Enumeration medium of presumptive *Bacillus cereus*, Report, 2011. Adria Normandie. ¹¹ Hustà et al., 2020. Anaerobe. ¹² CHROMagar Enterobacteria for enumeration, 2018. Laboratoire de Touraine. ¹³ Ho & Tam et al., 1997. Wat. Sci. Tech. ¹⁴ Lerner et al., 2013. ASM.