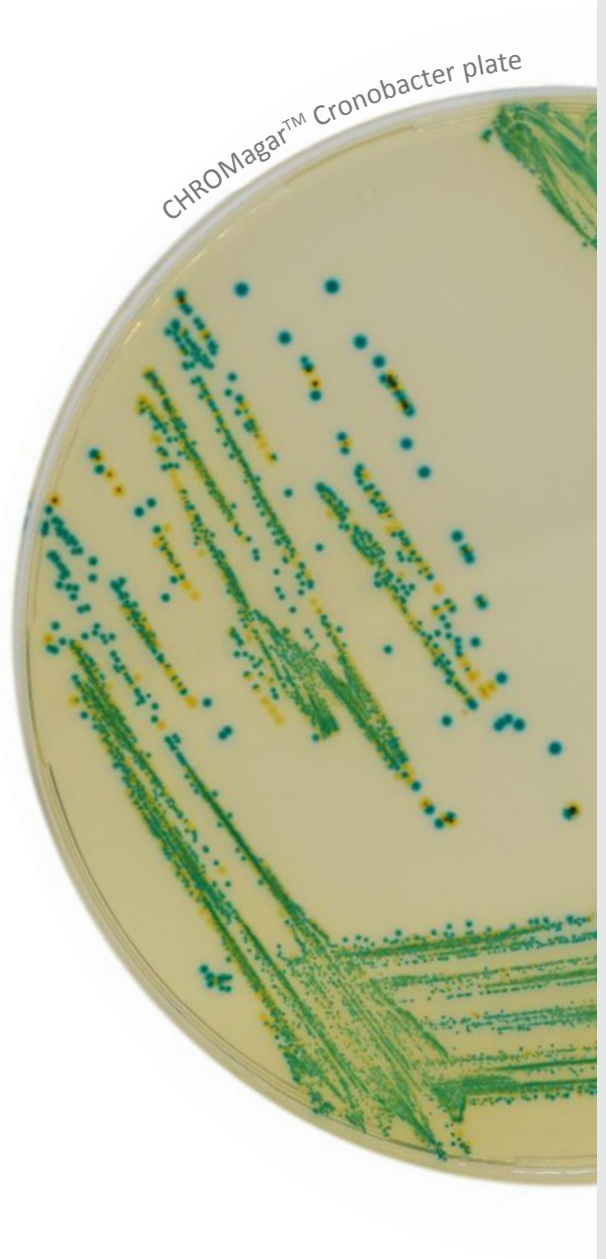


CHROMagar™ Cronobacter



MEDIUM PURPOSE

Chromogenic Cronobacter Isolation (CCI) agar for the detection of *Cronobacter* spp. in food, in animal feed and in environmental samples in accordance with ISO 22964 standard requirements.

COMPOSITION

The product is composed of a single powder medium.

Product	=	Pack
Total g/L		32.7 g/L
Composition g/L		Agar 15.3 Casein Peptone 7.0 Yeast extract 3.0 NaCl 5.0 5-bromo-4-chloro-3-indolyl- α-D-glucopyranoside 0.15 Sodium desoxycholate 0.25 Ammonium iron(III) citrate 1.0 Sodium thiosulfate 1.0
Aspect		Powder Form
STORAGE		15/30 °C
FINAL MEDIA pH		7.3* +/- 0.2

* Classical formula adjusted and/or supplemented as required to meet performance criteria

PREPARATION (Calculation for 1L)

Step 1 Preparation	<ul style="list-style-type: none"> Disperse slowly 32.7 g of powder base in 1 L of purified water. Stir until agar is well thickened. Heat to 121 °C +/- 1 °C during 15 min.
Step 2 Pouring	<ul style="list-style-type: none"> Cool in a water bath to 47-50 °C, swirling or stirring gently. Pour medium into sterile Petri dishes. Let it solidify and dry.
Storage	<ul style="list-style-type: none"> Store in the dark before use. Prepared media plates can be kept for one day at room temperature. Plates can be stored for up to one month under refrigeration (2/8 °C) if properly prepared and protected from light and dehydration.

INOCULATION

Related samples can be processed by direct streaking on the plate, as well as prior appropriate pre-enrichment and enrichment step according ISO 22964 standard.

- If the agar plate has been refrigerated, allow to warm to room temperature before inoculation.
- From an appropriate enrichment broth, streak a loopful (10µl) onto plate.
- Incubate at 41.5 °C ± 1 °C for 24 h ± 2 h, in aerobic conditions.

Typical Samples

e.g. food, animal feed,
environmental samples

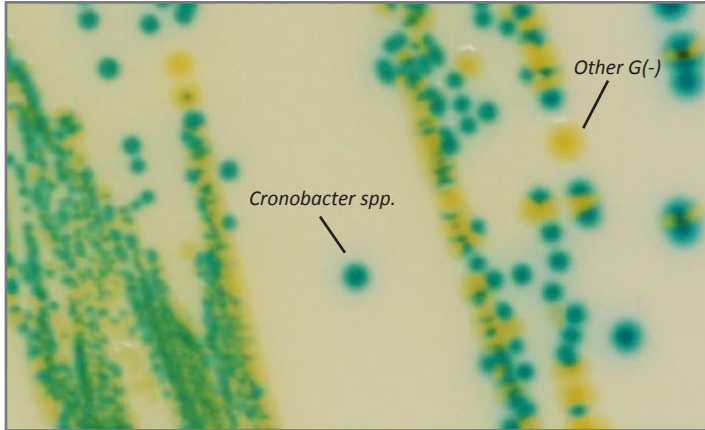
Possible enrichment step
Direct streaking
or spreading technique

CHROMagar™ Cronobacter

INTERPRETATION

Microorganism	Typical colony appearance
<i>Cronobacter</i> spp.	→ green to blue
Other gram negative bacteria	→ colourless, clear green, black, yellow
Gram positive bacteria	→ inhibited

Typical colony appearance



The pictures shown are not contractual.

PERFORMANCE & LIMITATIONS

• Definite identification as *Cronobacter* spp. requires additional testing, such as ONPG and Indole tests, or as described in the ISO 22964 Norm.

QUALITY CONTROL

Please perform Quality Control according to the use of the medium and the local QC regulations and norms. Good preparation of the medium can be tested, isolating the ATCC strains below:

Microorganism	Typical colony appearance
<i>C.sakazakii</i> ATCC® 29544 (CIP 103.183T)	→ green
<i>C.muytjensii</i> ATCC® 51329	→ green to blue
<i>E.coli</i> ATCC® 25922	→ colourless
<i>S.aureus</i> ATCC® 25923	→ inhibited
<i>E.faecalis</i> ATCC® 29212	→ inhibited

WARNINGS

- Do not use plates if they show any evidence of contamination or any sign of deterioration.
- Do not use the product beyond its expiry date or if product shows any evidence of contamination or any sign of deterioration.
- For Laboratory use. This laboratory product should be used only by trained personnel in compliance with good laboratory practices.
- Any change or modification in the procedure may affect the results.
- Any change or modification of the required storage temperature may affect the performance of the product.
- Unappropriate storage may affect the shelf life of the product.
- Recap the bottles tightly after each preparation and keep them in a low humidity environment, protected from moisture and light.
- For a good microbial detection: collection and transport of specimen should be well handled and adapted to the particular specimen according to good laboratory practices.

DISPOSAL OF WASTE

After use, all plates and any other contaminated materials must be sterilized or disposed of by appropriate internal procedures and in accordance with local legislations. Plates can be destroyed by autoclaving at 121°C for at least 20 minutes.

REFERENCES

Please refer to our website page «Publications» for scientific publications about this particular product.

Web link: <http://www.chromagar.com/publication.php>

IFU/LABEL INDEX

- Quantity of powder sufficient for X liters of media
- Expiry date
- Required storage temperature
- Store away from humidity

Need some Technical Documents?

Available for download on www.CHROMagar.com

- Certificate of Analysis (CoA) --> One per Lot
- Material Safety Data Sheet (MSDS)

Pack Size

5000 ml

250 Tests
of 20ml

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Ordering References

MC122

Weight: 163.5 gr

CHROMagar™ and Rambach™ are trademarks created by Dr A. Rambach
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CHROMagar
The Chromogenic Media Pioneer

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