

IVD solutions through partnership



CHROMagar™ B.cereus

For detection and enumeration
of Bacillus cereus group

● CHROMagar™ B.cereus

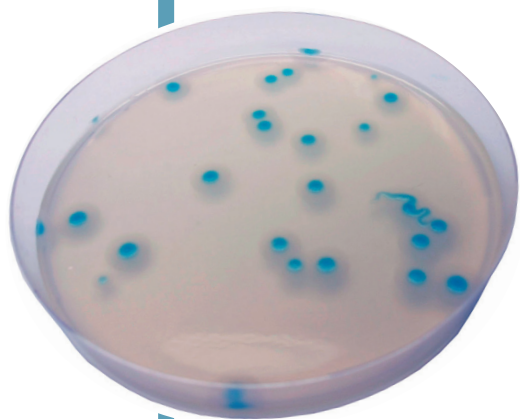
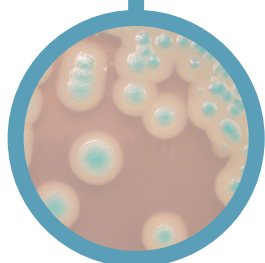


Plate Reading

- *Bacillus cereus* group
→ blue with white halo
- Other *Bacillus*
→ blue, colourless or inhibited
- Gram (-) bacteria
→ inhibited
- Yeast and moulds
→ inhibited



For detection and enumeration of *Bacillus cereus* group

Background

Bacillus cereus is a spore-forming bacterium that can be frequently isolated from soil and some food and which produces toxins. These toxins can cause two types of illness: one type characterized by diarrhea (long incubation, 8-16 hours) and the other by nausea and vomiting (short incubation, 1-6 hours). The short-incubation form is most often associated with rice dishes that have been cooked and then held at warm temperatures for several hours. Long-incubation *B. cereus* food poisoning is frequently associated with meat or vegetable-containing foods, after cooking. The bacterium has been isolated from dried beans and cereals, and from dried foods such as spices, seasoning mixes and potatoes. The short-incubation or emetic form of the disease is diagnosed by the isolation of *B. cereus* from the incriminated food. The long-incubation or diarrheal form is diagnosed by isolation of the organism from stool and food.

Medium Performance

1

Easy reading after only 24 h

24 h incubation at 30 °C.

The intense blue colored colonies on a translucent agar facilitates the reading compared to Mannitol based agar which displays red colonies on pink agar.

2

Simplicity

Contrary to MYP or Mossel agar, there is no need to add the Egg yolk emulsion.

3

Highly sensitive & specific for cereus group

compared to MYP or Mossel agar.

The classical MYP or Mossel agar rely on the inability of *B.cereus* to utilise the mannitol, which renders the plate reading difficult in the presence of abundant flora. CHROMagar™ B.cereus, due to the chromogenic technology, overcomes this difficulty.

100 % Sensitivity / 100 % Specificity *

* Specificity and sensitivity from scientific study: Adria Normandie Study, 2012

4

Better selectivity & recovery compared to classical media

compared to classical medium agar.

5

Longer plate shelf life

compared to MYP and Mossel agar which only have a 5 days shelf life.

Medium Description

Powder Base CHROMagar™ B.cereus base	Total 33.3 g/L Agar 15.0 Peptones and yeast extract..... 8.0 NaCl 10.0 Chromogenic mix 0.3 Storage at 15/30 °C - pH: 6.8 +/-0.2 Shelf Life > 12 months
+ CHROMagar™ B.cereus Supplement (included in the pack)	Specific Powder supplement 3.0 g/L Storage at 2/8 °C Aspect: Powder Form Shelf Life > 18 months

Usual Samples	Food and environmental samples
Procedure	Direct Streaking. Incubation 18-24h at 30 °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

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Ordering Information

Product	Order Code
CHROMagar™ B.cereus dry media, 5 liter	15BC732