

## ● CHROMagar™ B.cereus



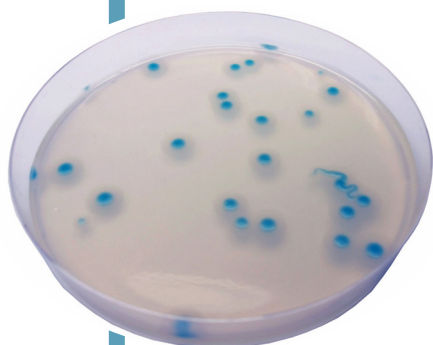
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# ● CHROMagar™ B.cereus



For detection and enumeration  
of *Bacillus cereus* group



## 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 use 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 PREPARED PLATE SHELF LIFE

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

### Medium Description

<b>Powder Base</b> CHROMagar™ B.cereus base	Total .....	33.3 g/L
	Agar .....	15.0
<b>CHROMagar™ B.cereus Supplement</b> (included in the pack)	Peptone 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
	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 or spreading technique. Incubation 18-24 h at 30 °C Aerobic conditions.

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

## Order References

Please use these product references when contacting your local distributor:

5000 mL pack ..... BC732

(included in this reference: powder base BC732(B) + supplement BC732(S))

Manufacturer: CHROMagar  
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