For detection and enumeration of *Bacillus cereus* group
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**

**EASY READING AFTER ONLY 24H**

24h 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.

**SIMPACITY**

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

**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, owe to the chromogenic technology, overcomes this difficulty.

**BETTER SELECTIVITY & RECOVERY COMPARED TO CLASSICAL MEDIA**

compared to classical medium agar.

**LONGER PREPARED PLATE SHELFLIFE**

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

**Medium Description**

<table>
<thead>
<tr>
<th>Powder Base</th>
<th>Total</th>
<th>33.3 g/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHROMagar B.cereus base</td>
<td>Agar</td>
<td>15.0</td>
</tr>
<tr>
<td>Peptone and yeast extract</td>
<td>8.0</td>
<td></td>
</tr>
<tr>
<td>NaCl</td>
<td>10.0</td>
<td></td>
</tr>
<tr>
<td>Chromogenic mix</td>
<td>0.3</td>
<td></td>
</tr>
<tr>
<td>Storage at 15/30°C - pH: 6.8 +/-0.2</td>
<td>Shelf Life</td>
<td>2 years</td>
</tr>
</tbody>
</table>

| CHROMagar B.cereus Supplement (included in the pack) | Specific Powder supplement | 3.0 g/L |
| Storage at 2/8°C | Shelf Life | 2 years |

**Usual Samples**

Food and environmental samples

**Procedure**

Direct Streaking. Incubation 18-24h at 30°C

Aerobic conditions.

**Quality Control Strains**

* B. cereus ATCC®14579 ............... blue with white halo
  B. subtilis ATCC®23857 ..................... inhibited
  E. coli ATCC®25922 ......................... inhibited

ATCC® is a registered trademark of the American Type Culture Collection

**Order References**

Please use these product references when contacting your local distributor:

5000 ml pack ................. BC732
(Product = base powder (B) + supplement (S))

**Scientific Publications on this product: available on www.CHROMagar.com**

Please read carefully the instructions for use (IFU document) available on www.CHROMagar.com