

ChromoBio[®] CEREUS

A selective and differential chromogenic medium for the detection of *Bacillus cereus*.

Dehydrated media	
Code number:	500 g: CER20500, 5 kg: CER25000
Packaging of 500 g:	500 g agar base + 30 bottles supplement
Packaging of 5 kg:	5 kg agar base + 300 bottles supplement
Appearance of agar base:	Yellowish, homogeneous hygroscopic powder
Appearance of supplement:	Yellowish, homogeneous sterile powder
pH before autoclaving (25 °C):	7,0 - 7,4

Direction: Suspend **16,5 g** in 450 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes.

In the meantime add 50 ml of sterile distilled water to **one bottle of Cereus Supplement**. Mix well and soak the suspension about one hour – repeating the mixing a few times - until the lecithin dissolves completely. The ready supplement is homogeneous turbid, but exempt from any precipitate.

Cool the agar base to 50 °C and add aseptically the supplement. Mix well before pouring. To ensure the complete homogeneity repeat the mixing a few times during the pouring again.

Bottled media	
Code number:	100 ml: CER30100, 500 ml: CER30500
Packaging of 100 ml bottled media:	90 ml agar base + 1 bottle supplement
Packaging of 500 ml bottled media:	450 ml agar base + 1 bottle supplement
Appearance of agar base:	Yellowish, transparent gel
Appearance of supplement:	Yellowish, homogeneous sterile powder
pH (25 °C):	7,1 - 7,3

Direction: Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes.

Plated media	
Code number:	55 mm: CER50055, 90 mm: CER50090
Appearance of plated media:	Yellowish, homogeneous turbid gel
pH (25 °C):	7,1 - 7,3

Direction: Media in Petri-dishes are ready to use.

FORMULA FOR ONE LITRE OF COMPLETE MEDIUM in g/l

Peptones	18,0
Chromogenic substrate	2,0
Differential supplement	4,0
Antibiotics	0,1
Agar	13,0

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the supplements and plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Bacillus cereus</i>	ATCC 11778	Good, blue colonies with opaque halo	
<i>Bacillus subtilis</i>	ATCC 6633	Partially inhibited, blue colonies without halo	
<i>Escherichia coli</i>	ATCC 25922	Inhibited	

In vitro diagnostic – for professional use only!