

BACILLUS CEREUS (PREP) AGAR BASE

A selective and differential medium for the enumeration of *Bacillus cereus* according to ISO 21871.

Dehydrated media	
Code number:	500 g: BPR20500, 5 kg: BPR25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,0 – 7,4

Direction: Suspend **46 g** in 900 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically **100 ml of Sterile Egg Yolk Polymyxin (PREP) Emulsion (EYP80100-02)**. Mix well before pouring.

Prepared media	
Bottled media bases:	100 ml: BPR30100, 500 ml: BPR30500
Plated media:	55 mm: BPR50055, 90 mm: BPR50090
Colour of bottled media bases:	Red, transparent
Colour of plated media:	Orange, homogeneous turbid
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. Media in Petri-dishes are ready to use.

FORMULA in g/l

Casein peptone	10,000
Meat extract	1,000
D-Mannitol	10,000
Sodium chloride	10,000
Phenol red	0,025
Agar	15,000

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 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, pink colonies with precipitate halo	
<i>Bacillus subtilis</i> ATCC 6633		Moderate, yellow colonies without halo	
<i>Escherichia coli</i> ATCC 25922		Inhibited	

References: Mossel et al. (1967) Appl. Microbiol. 15: 650.
ISO 21871: 2006

In vitro diagnostic – for professional use only!