

Bacillus Cereus Agar (Base)

TN 1245 500 g



Intended use

Used for the isolation and determination of the colony count of *Bacillus cereus* in foodstuffs.

Form

Powder

Colour

Bright green

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

3 years

Typical composition

Component	g/l
Peptone	1
Mannitol	10
Sodium pyruvate	10
Sodium chloride	2
Disodium hydrogen phosphate	2.5
Potassium dihydrogen phosphate	0.25
Magnesium sulfate	0.05
Bromothymol blue	0.12
Agar	14

Directions

Suspend 39.9 g in 950 ml of distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes and cool down to 45-50 °C. Under aseptic conditions, add 2 bottles (= 50 ml) each of Egg Yolk Emulsion (TN 1316) and Bacillus Cereus Selective Supplement (TN 1315) to 950 ml base medium. Mix well and pour plates.

Final pH at 25 °C

7.2 ± 0.2

Microbiological quality control

Incubate Bacillus Cereus Agar (Base) aerobically for 18-24 hours at 36 ± 1°C.

Test strain	No.	Growth	Colony appearance
<i>Bacillus cereus</i>	ATCC 11778	very good	colonies are jagged; size ca. 2-5 mm; colour ranges from turquoise to peacock blue with grey centre; they are surrounded by an egg yolk precipitate with the same coloration
<i>Bacillus cereus</i> var. <i>mycoides</i>	clinical isolate	moderate, or no growth at all	yellow or culture medium-coloured colonies on unchanged culture medium
<i>Bacillus subtilis</i>	ATCC 6633	moderate, or no growth at all	yellow colonies on unchanged culture medium
<i>Pseudomonas aeruginosa</i>	ATCC 25668	moderate, or no growth at all	-
<i>Staphylococcus aureus</i>	ATCC 6538P	good	white or slightly yellowish colonies on unchanged culture medium
<i>Proteus mirabilis</i>	ATCC 29906	good	grey colonies on bright blue-green culture medium with small swarming coronas
<i>Proteus vulgaris</i>	clinical isolate	good	light grey colonies on unchanged culture medium
<i>Escherichia coli</i>	ATCC 25922	no growth	-

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