MYP Agar Base
Cereus Selective Agar Base acc. to Mossel

TN1291 500 g

Intended use
Used for the determination of the colony count, and for the detection and isolation of Bacillus cereus from foodstuffs (according to § 64 German Food and Feed Code).

Form
Powder

Colour
Orange

Storage
Dry, tightly closed, at 10...30 °C.

Shelf life
5 years

Typical composition

Component	g/l
Casein peptone	10.0
Meat extract	1.0
D(-)-Mannitol	10.0
Sodium chloride	10.0
Phenol red	0.025
Agar	12.0

Directions
Suspend 43.0 g in 900 ml distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes and cool down to 45-50 °C. Prepare 4 bottles (4 x 25 ml) Egg Yolk Emulsion (TN1316) and 2 bottles Bacillus Cereus Selective Supplement (TN1315) according to instructions and add these under aseptic conditions to 900 ml base medium. Mix well and pour plates.

Final pH at 25 °C
7.2 ± 0.2

Microbiological quality control
with the addition of Egg Yolk Emulsion and Bacillus Cereus Selective Supplement
Incubation: aerobically, 44 ± 4 h at 30 ± 1 °C
Bacillus cereus: aerobically, 21 - 24 h at 30 ± 1 °C

Test strain	CFU / plate	Recovery rate in % test vs. inoculum *)	Colony morphology
Bacillus cereus ATCC 11778 WDCM 00001	80-120	≥ 50 %	pink colonies surrounded by a clear precipitate corona
Bacillus subtilis ATCC 6633 WDCM 00003	≥ 10^3	no limit	yellow colonies without precipitate corona
Escherichia coli ATCC 8739 WDCM 00012	≥ 10^4	≤ 0,1 %	n.a.
Escherichia coli ATCC 25922 WDCM 00013	≥ 10^4	≤ 0,1 %	n.a.

*) Reference medium used: Blood Agar
A recovery rate of e.g. ≥ 50 % corresponds to a productivity ratio of P_R ≥ 0.5.

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