Bacillus-Cereus-Agar (PEMBA)

Shorthand symbol:	PEMBA
Item number:	40-1245
Format:	Petri dish, 90mm
Colour:	Yellowish, evenly cloudy
Storage conditions:	Dry, closed at 4-10 ° C
Shelf-life:	3 Months
pH:	7.2 ± 0.2 at 25°C

Intented use and fields of application

Selective nutrient medium for isolation, identification and bacterial count of Bacillus Cereus in food.

Typical composition in g/l

in g per 1l Medium	
Peptone (in g)	1
Mannitol (in g)	10
Sodium pyruvate (in g)	10
Sodium chloride (in g)	2
Disodium hydrogen phosphate(in g)	2.5
Potassium dihydrogen phosphate (in g)	0.25
Magnesium sulphate (in g)	0.05
Bromothymol blue (in g)	0.12
Polymyxin B Sulphate (in mg)	13
Egg yolk (in ml)	10
Sodium chloride solution (in ml)	40
Agar	14

*Adjusted as required to meet performance standards

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Microbiological quality control

The microbial performance test is carried out in conformity with the requirements of DIN EN ISO 11133.

Productivity
Incubation conditions: 21 ± 3 to 44 ± 4 hours at 37 ± 1 ° C; Inoculum Concentration: 80 - 120 CFU

Organism	Test strain	Specification	Colony morphology
Bacillus cereus	ATCC 11778 / WDCM 00001	50 – 130 %	Turquoise blue colonies with precipitate courtyard

Selectivity
Incubation conditions: 44 ± 4 hours at 37 ± 1 ° C; Inoculum Concentration: 10.000 - 1.000.000 CFU

Organism	Test strain	Specification	Colony morphology
Escherichia coli	ATCC 8739 / WDCM 00012	Complete inhibition	-

Specificity
Incubation conditions: 44 ± 4 hours at 37 ± 1 ° C; Inoculum Concentration: 10.00 - 10.000 CFU

Organism	Test strain	Specification	Colony morphology
Bacillus subtilis	ATCC 6633 / WDCM 00003	Normal growth	White colonies without precipitate

Microbial Contamination
Incubation conditions: 5 – 7 Tage at 20 – 25 °C and 5 – 7 Tage at 30 – 35 °C

Specification
No microbial contamination

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