Cereus-Selektivagar nach Mossel (MYP-Agar)

Shorthand symbol:	MYP
Item number:	40-1291
Format:	Petri Dish, 90mm
Colour:	Orange
Storage conditions:	Keep away from light at constant temperature; at 4 – 10°C.
Shelf-life:	2 Months
pH:	7,2 ± 0,2 at 25°C

Intented use and fields of application

Used for the determination of the colony count, and for the detection and isolation of Bacillus cereus from foodstuffs.

Bacillus Cereus Agar (Mossel) is used for growing and isolation of Bacillus cereus, which causes food toxinfections.The meat extract supplies vitamins and growth factors to Bacillus cereus. Peptone supplies nitrogen, vitamins and aminoacids. Sodium chloride keeps the medium osmotic balance. D-mannitol is present as fermentable carbohydrate and phenol red as pH indicator.

Typical composition in g/l

in g per 1l Medium	
Casein peptone	10
Meat extract	1
D(-)-Mannitol	10
Sodium chloride	10
Phenol red	0.025
Agar	12

*Adjusted as required to meet performance standards

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Microbiological quality control

The Microbiological Performance Test is carried out in accordance with the requirements of ISO 11133.

Productivity
Incubation conditions: 24±3 to 44±4 hours at 30±1°C; Inoculum concentration: 80–120 CFU

Organism	Type Strain	Specification	Colony morphology
Bacillus cereus	ATCC 11778/WDCM 00001	> 50 %	red colonies with Precipitstion

Selectivity
Incubation conditions: 44±4 hours at 30±1°C; Inoculum concentration: 10,000–1,000,000 CFU

Organism	Type Strain	Specification	Colony morphology
Escherichia coli	ATCC 8739/WDCM 00012	Complete inhibition	-

Specificity
Incubation conditions: 44±4 hours at 30±1 °C; Inoculum concentration: 1,000–10,000 CFU

Organism	Type Strain	Specification	Colony morphology
Bacillus subtilis	ATCC 6633/WDCM 00003	Good growth	yellow colonies without Precipitation

Mikrobial Contamination
Incubation conditions: 5–7 days, 20–25°C and 5–7 days, 30–35°C

Specification

No microbial contamination

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