

Cereus-Selektivagar nach Mossel (MYP-Agar)

Abbreviazione: MYP
Numero articolo: 40-1291
Scheda: Petri Dish, 90mm
Colore: Orange
Condizioni di stoccaggio prodotti: Keep away from light at constant temperature; at 4 – 10°C.
Data di scadenza: 2 Months
Valore pH: 7,2 ± 0,2 at 25°C



Destinazione e applicazione

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 toxoinfections. 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.

Composizione tipica

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

Controlli di qualita' microbiologici

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