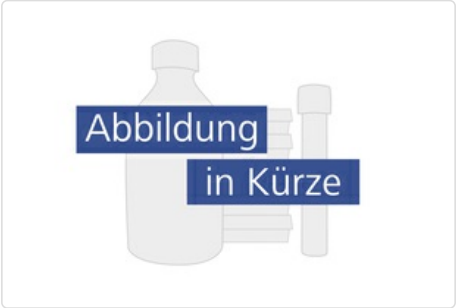
m-CP-Agar

Shorthand symbol:	MCP
Item number:	45-1288
Format:	Petri Dish, 70mm
Colour:	Violett, transparent
Storage conditions:	Dry, in closed bag, at 4-10°C
Shelf-life:	2 Months
pH:	7.4 ± 0.2 bei 25°C



Intented use and fields of application

MCP Agar (Membrane-Clostridium-Perfringens-Agar) is used for the detection and enumeration of Clostridium perfringens (including spores) in water.

Typical composition in g/l

in g per 1 litre of nutrient medium	
Tryptose	30
Yeast Extract	20
Saccharose	5
L-Cysteine Hydrochloride	1
Magnesium Sulphate, anhydrous	0.048
Indoxyl-ß-Glucoside	0.06
Bromocresol Purple	0.04
Phenolphthalein-Diphosphate	0.1
Ferric (III)Chloride	0.09
Cycloserine	0.4
Polymyxin B-Sulfat	0.025
Agar	12.0

*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 BS EN ISO 11133:2014 and PhEur. (Microbiological Examination of Non-Sterile Products in accordance with Chapter 2.6.13).

Productivity
Incubation conditions: 2–3 days at 30–35 °C; Inoculum concentration: 80–120 CFU

Organism	Type Strain	Specification	Colony morphology
Clostridium perfringens	ATCC 13124 / WDCM 00007	50 – 130 %	Yellow colonies; Phosphatase Test Positive

Selectivity
Incubation conditions: 21 ± 3 Hours at 44 ± 1 °C; Inoculum concentration: 10,000-1,000,000 CFU, anaerobic incubation

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

Specificity
Incubation conditions: 21 ± 3 Hours at 44 ± 1 °C; Inoculation concentration: 1.000-10.000 CFU, anaerobic incubation

Organism	Type Strain	Specification	Colony morphology
Clostridium bifermentans	NCTC 506 / WDCM 00079	-	Blue colonies; Phosphatase Test Negative

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

Specification
No microbial contamination

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