

Membrane-Clostridium-Perfringens-Agar; m-CP-Agar (MCP)

According to ISO 6461-2:1986

Shorthand symbol:	MCP
Item number:	40-1288
Format:	Petri Dish, 90mm
Colour:	Violet, transparent
Storage conditions:	Dry, in closed bag at 4 – 10°C.
Shelf-life:	2 Months
pH:	7.4 ± 0.2 at 25°C



Intended use and fields of application

MCP-Agar (Membrane-Clostridium-Perfringens-Agar) 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	30.0
Yeast Extract	20.0
Saccharose	5.0
L-Cysteine Hydrochloride	1.0
Magnesium Sulphate, anhydrous	0.048
Indoxyl-β-Glucoside	0.06
Bromocresol Purple	0.04
Phenolphthalein-Diphosphate	0.1
Ferric (III)Chloride	0.09
Cycloserine	0.4
Polymyxine-B Sulphate	0.025
Agar	12.0

*Adjusted as required to meet performance standards

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; Inoculation 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; Inoculation 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