

# m-CP Agar (Base)

## Chromogenic Membrane Filtration Clostridium perfringens Agar

TN 1288 500 g



### Intended use

Used to detect *Clostridium perfringens* (including spores) in water.

### Form

Powder

### Colour

Beige

### Storage

Dry, tightly closed, at 10...25 °C.

### Shelf life

3 years

### Typical composition

Component	g/l
Tryptose	30
Yeast extract	20
Sucrose	5
L-Cysteine hydrochloride	1
Magnesium sulfate anhydrous (equivalent to 0.1 g/l Mg SO <sub>4</sub> ·x7H <sub>2</sub> O)	0.048
Indoxyl-β-glucoside	0.06
Bromocresol purple	0.04
Agar	12

### Directions

Suspend 34.1 g m-CP Agar (Base) in 500 ml distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes, and cool down to 50 °C. Add m-CP Selective Supplement (REF TN 1330) according to instructions. Mix well and pour plates.

### Final pH at 25 °C

7.4 ± 0.2

### Microbiological quality control

Incubate m-CP Agar (Base) (Chromogenic Membrane Filtration Clostridium perfringens Agar) anaerobically for 18-24 hours at 44 ± 1 °C. Expose to vapours of ammonium hydroxide solution.

Test strain	ATCC no.	Growth	Colour	Colony colour after exposure to ammonium hydroxide
<i>Clostridium perfringens</i>	12915	good	colonies yellow, culture medium yellow	turns pink or red after 20-30 secs.
<i>Clostridium perfringens</i>	13124	good	colonies yellow, culture medium yellow	turns pink or red after 20-30 secs.
<i>Clostridium sordellii</i>	9714	good	colonies blue-black, culture medium violet	no change after 20-30 secs.
<i>Clostridium bifermentans</i>	638	inhibited	in case there is growth: colonies blue, culture medium violet	no change after 20-30 secs.
<i>Escherichia coli</i>	8739	no growth	n. a.	n. a.
<i>Pseudomonas aeruginosa</i>	9027	no growth	n. a.	n. a.

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