

m-CP Selective Supplement

TN 1330 4 x 3 bottles 1 bottle per component for 0.5 l culture medium



Intended use

Used to inhibit accompanying flora during the isolation of *Clostridium perfringens* on m-CP selective culture medium.

Form

Powder and liquid

Colour

White, yellowish and brown

Storage

Protected from light, at 2...8 °C.

Shelf life

3 years

Typical composition

Component	mg/l
Phenolphthalein Supplement	
Phenolphthalein diphosphate	50
Iron (III) Chloride Solution	
Iron (III) chloride (in 2 ml distilled water)	45
Cycloserine / Polymyxin Supplement	
Cycloserine	200
Polymyxin B sulfate	12.5

Directions

Prepare m-CP Agar (Base) (REF TN 1288) according to instructions, autoclave and cool down to ca. 50 °C. Dissolve the contents of one bottle of Cycloserine/ Polymyxin Supplement and one bottle of Phenolphthalein Supplement in 2 ml sterile distilled water each. Under aseptic conditions, add these together with the contents of one bottle of Iron (III) Chloride Solution to 500 ml sterile base culture medium when it has cooled down to 50 °C. Mix well and pour plates. Store plates at least one night and at most for one week before use, in anaerobic conditions, and in such a way that they cannot dry out and are protected from light.

Microbiological quality control

Incubate plates anaerobically for 18-24 hours at 44 ± 1 °C.

Then 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
<i>Clostridium bifermentans</i>	638	inhibited	in case there is growth: colonies blue, culture medium violet	no change
<i>Escherichia coli</i>	8739	no growth	n. a.	n. a.
<i>Enterococcus faecalis</i>	29212	no growth	n. a.	n. a.
<i>Pseudomonas aeruginosa</i>	9027	no growth	n. a.	n. a.

Date of revision: 2014/03/20

Manufacturer: sifin diagnostics gmbh | Berliner Allee 317-321 | 13088 Berlin | Germany | T: +49 30 927 030-0 | F: +49 30 927 030-30 | info@sifin.de | www.sifin.de