

Product Specification Sheet

Membrane Clostridium Perfringens (mCP) Agar

Intended Usage: A medium for the isolation of *Clostridium perfringens* in water.

For professional use only.

PO5163A	
Version: 11	Revision Date: March 2020

Thermo Scientific™ Membrane Clostridium Perfringens (mCP) Agar

Form of Product	Poured plate
Storage	2 – 12°C, dark
Filling weight	17 g ± 5 %
Packaging	10 plates wrapped in film
pH	7.6 ± 0.2
Appearance	Blue lilac, transparent
Shelf life	8 weeks
Intended Usage	A medium for the isolation of <i>Clostridium perfringens</i> in water.
Technique	For professional use only. Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0992 / SR0188.

Typical formulation*	g/l
Tryptose	30.0
Yeast extract	20.0
Sucrose	5.0
L-Cysteine hydrochloride	1.0
Magnesium sulphate 7 x [H ₂ O]	0.1
Bromocresol purple	0.04
Polymyxin B sulphate	0.025
Cycloserine	0.4
Indoxyl-β-D-glucoside	0.06
Phenolphthalein diphosphate	0.1
Ferric chloride hexahydrate	0.09
Agar	15.0

*Adjusted as required to meet performance standards.

Quality Control

1. Control for general characteristics, labelling and printing.
2. Contamination check
 ≥ 72 h @ 20 – 25 °C, aerobic
 ≥ 72 h @ 30 – 35 °C, aerobic
3. Microbiological control

Positive Control	Growth
Inoculum 50 – 120 colony forming units (cfu) Incubation conditions: 18 – 24 h @ 44 ± 1°C, anaerobic. Strain tested by membrane filtration	
<i>Clostridium perfringens</i> ATCC®13124™ (WDCM 00007)	2 – 6 mm, yellow colonies, Phosphatase positive.
Colony counts shall be ≥ 50% of the control medium TSA.	
Inoculum 10³ – 10⁴ cfu, qualitative, control medium COL+SB Incubation conditions: 18 – 24 h @ 44 ± 1°C, anaerobic Inoculation on surface.	
<i>Clostridium bifermentans</i> NCTC506 (WDCM 00079)	Good growth, blue colonies, Phosphatase negative.

Negative Control	Growth
Inoculum 10⁴ – 10⁵ cfu, qualitative, control medium COL+SB Incubation conditions: 18 – 24 h @ 44 ± 1°C, anaerobic.	
<i>Escherichia coli</i> ATCC®25922™ (WDCM 00013)	Total inhibition.

Tested in accordance with ISO 11133.

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