

TECHNICAL SHEET

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B1211	M-CP AGAR BASE					
Formula						
Ingredients :		gms/lit.				
Tryptose		30.00				
Yeast extract		20.00				
Sucrose		5.00				
L-Cystine hydrochloride		1.00				
Magnesium sulphate,7H ₂ O		0.10				
Ferric chloride, 6 H ₂ O		0.09				
Bromo cresol purple		0.04				
Indoxyl-β-D-glucoside		0.06				
Agar		15.00				
Final pH (at 25°C) : 7.6 ± 0.2						
Directions :						
Suspend 35.60 gms. dehydrated powder in 485ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C. Aseptically add the rehydrated contents of 1 vial of M-CP Selective Supplement – I and 1 vial of M-CP Selective Supplement – II. Mix well and pour into sterile petri plates.						
Principle :						
The medium contains tryptose & yeast extract which provide essential nutrients like carbon and nitrogenous compounds including vitamins, amino acids and trace ingredients. Sucrose is the source of carbohydrates. L-cystine hydrochloride acts as a reducing agent. Bromocresol purple is the pH indicator.						
QC Tests – (I)Dehydrated Medium						
	Colour :		Purplish cream to purplish yellow			
	Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium						
	pH (post autoclaving/heating) :		7.6 ± 0.2			
	Colour (post autoclaving/heating) :		Purple			
	Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological						
	Cultural characteristics observed after 48 hrs at 35-37°C, under anaerobic conditions.					
	MICROORGANISM (ATCC)		GROWTH			
	Clostridium perfringens (12924)		Luxuriant			
Precautions :						
	1. For Laboratory Use.					
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.					
Limitations :						
	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.					
Use :						
	M-CP Agar with selective supplements is recommended by the Directive of the council of European union 98/83/EC for isolation and enumeration of Clostridium perfringens from water samples using membrane filtration technique.					
Storage :						
	Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.					
Packing :						
	500 gm. bottle					
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1211		71.29 g/l	7.013L	7.6 ± 0.2	M-CP Selective Supplement – I and M-CP Selective Supplement – II	121°C / 15 minutes

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARK LABORATORIES publications.

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