TECHNICAL SHEET

B960	**C.P.C AGAR BASE**

Formula

Ingredients :	**gms/lit.**
Peptic digest of animal tissue	10.00
Beef extract	5.00
Cellobiose	15.00
Sodium chloride	20.00
Bromo thymol blue	0.04
Cresol red	0.04
Agar	15.00

Final pH (at 25°C) : 7.6 ± 0.2

Directions :

Suspend 32.54 gms. in 500 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 45°C and aseptically add reconstituted contents of 1 vial of CPC supplement. Mix well.

Principle :

CPC Agar contains beef extract and peptic digest of animal tissue which supply the essential nitrogenous compounds to the growing Vibrios. Cellobiose is fermented by some Vibrios and is indicated by the pH indicator bromo thymol blue which turns yellow at acidic pH. Cresol red is the pH indicator of alkaline range which turns red at alkaline pH. Alkaline pH of the medium enhances the recovery of Vibrios.

QC Tests – (I)Dehydrated Medium				
	Colour :	Light brown		
	Appearance :	Homogeneous Free Flowing powder		
(II)Rehydrated medium				
	pH (post autoclaving/heating) :	7.6 ± 0.2		
	Colour (post autoclaving/heating) :	Olive – green to light brown		
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent		
(III)Q.C. Test Microbiological				
	Cultural characteristics observed after 18 – 24 hrs. at 40 ± 2°C.			
	MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY	
	Vibrio cholerae (15748)	Good to luxuriant	Green to purple coloured	
	Vibrio parahaemolyticus (17802)	Inhibited	-	

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 :	For the cultivationand identification of Vibrio species from food.
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
B960	65.08 g/l	15.36L	7.6 ± 0.2	CPC supplement	121^0C / 15 minutes

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