

B1106	B.C.P. – D.C.L.S. AGAR				
Formula					
Ingredients : gms/lit.					
Peptic digest of animal tissue	5.00				
Casein enzymichydrolysate	5.00				
Yeast extract	3.00				
Meat extract B#	3.00				
Lactose	7.50				
Sucrose	7.50				
Sodium citrate	10.00				
Sodium chloride	5.00				
Sodium thiosulphate	5.00				
Sodium deoxycholate	2.50				
Bromo cresol purple	0.02				
Agar	14.00				
# Equivalent to beef Extract					
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 67.5 gms. in 1000 ml. distilled water. Boil with frequent agitation to dissolve the medium completely. DO NOT AUTOCLAVE or OVERHEAT.Cool to 45°C and pour into sterile petri plates.					
Principle :					
Medium constituents like peptic digest of animal tissue, casein enzymichydrolysate, beef extract and yeast extract supply essential nutrients for the growth of the bacteria. Citrate and deoxycholate suppress coliforms and gram-positive bacteria. Inclusion of two sugars lactose and sucrose permits the formation of yellow colonies by the organisms that ferment either lactose or sucrose or both. Bromo cresol purple is the pH indicator. Proteus, Salmonella and Shigella species develop colourless colonies on this medium.					
QC Tests – (I)Dehydrated Medium					
Colour :	Beige				
Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	7.2 ± 0.2				
Colour (post autoclaving/heating) :	Purple				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 24 hrs at 45°C.					
MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY			
Salmonella typhimurium (14028)	Luxuriant	colourless			
Salmonella enteritidis (13076)	Luxuriant	colourless			
Shigella flexneri (12022)	Luxuriant	colourless			
Shigella sonnei (25931)	Luxuriant	colourless			
Shigella dysenteriae (13313)	Good	colourless			
Proteus mirabilis (25933)	Poor	-			
Escherichia coli (25922)	None – poor	Yellow			
Proteus vulgaris (13315)	None – poor	No swarming			
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 isolation of Salmonella, Shigella and Arizona species.					
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	
B1106	67.5g/l	7.407L	7.2 ± 0.2	NIL	DO NOT AUTOCLAVE or OVERHEAT.

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TECHNICAL SHEET

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