

TECHNICAL SHEET

B159	D.C.L.S. AGAR				
Formula					
Ingredients :		gms/lit.			
Proteose peptone		7.00			
Meat extract B #		3.00			
Lactose		5.00			
Sucrose		5.00			
Sodium citrate		10.00			
Sodium thiosulphate		5.00			
Sodium deoxycholate		2.50			
Neutral red		0.03			
Agar		12.00			
#Equivalent to Beef extract					
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 49.53 gms.in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. DO NOT AUTOCLAVE. Cool to 50°C and pour about 20 ml of medium into sterile petri plates and allow to dry for about two hours with covers partially removed.					
Principle :					
Beef Extract and Proteose Peptone provide nitrogen, vitamins and amino acids. Lactose and Sucrose provide fermentable carbohydrates. Sodium Citrate, Sodium Thiosulfate and Sodium Desoxycholate are selective agents. Agar is the solidifying agent. Neutral Red is the indicator.					
QC Tests - (I)Dehydrated Medium					
Colour :		Light yellow to pink			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		7.2 ± 0.2			
Colour (post autoclaving/heating) :		Reddish orange			
Clarity (post autoclaving/heating) :		Clear to very slightly opalescent			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18 -48 hrs at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY			
Salmonella typhimurium (14028)	Luxuriant	Colourless to slightly pink			
Proteus vulgaris (13315)	Luxuriant	Red			
Shigella flexneri (12022)	Poor-good	Colourless to slightly pink			
Escherichia coli (25922)	None-poor	Red			
Streptococcus faecalis (29212)	Inhibited	-			
Precautions:	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. 3. IRRITANT. Irritating to eyes, respiratory system and skin. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed.				
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 :	As a selective medium used to detect and isolate Salmonella and Shigella species. Also useful for isolation of Vibrio cholerae.				
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
B159	49.5g/l	10.10L	7.2 ± 0.2	NIL	DO NOT AUTOCLAVE

Refer disclaimer Overleaf

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 BIOMARKLABORATORIES publications.

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