B133	C.L.E.D. AGAR WITH BROMO THYMOL BLUE
Formula	
Ingredients :	**gms/lit.**
Peptic digest of animal tissue	4.00
Casein enzymic hydrolysate	4.00
Meat Extract B#	3.00
Lactose	10.00
L-cystine	0.128
Bromo thymol blue	0.02
Agar	15.00
#- Equivalent to Beef extract	
Final pH (at 25°C) : 7.3 ± 0.2	
Directions :	
Suspend 36.15 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.	
Principle :	
Beef Extract, Peptic digest of animal tissue and Casein enzyme hydrolysate provide the nitrogen, vitamins and amino acids in CLED Agar, L-Cystine is added as a growth supplement for cystine – dependent coliforms. Lactose is included as a carbon source. Organisms capable of fermenting lactose will lower the pH and change the color of the medium from green to yellow. Bromo Thymol Blue is used as a pH indicator.	

QC Tests – (I)Dehydrated Medium		
	Colour :	Cream to yellow
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	7.3 ± 0.2
	Colour (post autoclaving/heating) :	Green
	Clarity (post autoclaving/heating) :	Slightly opalescent
(III)Q.C. Test Microbiological		
	Cultural characteristics observed after 18 –24 hrs at 35-37°C.	

	MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY	
	Escherichia coli (25922)	Luxuriant	Yellow, opaque, center slightly deeper yellow	
	Klebsiella pneumoniae (13883)	Luxuriant	Yellow to whitish blue	
	Proteus vulgaris (13315)	Luxuriant	Blue	
	Salmonella typhi (6539)	Luxuriant	Bluish	
	Staphylococcus aureus (25923)	Luxuriant	Deep yellow	
	Streptococcus faecalis (29212)	Luxuriant	Slight yellowish or greenish	

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, enumeration and identification of urinary pathogens on the basis of lactose fermentation.
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
B133	36.15g/l	13.83L	7.3 ± 0.2	NIL	121^0C / 15 minutes

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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