

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			
Beef extract			3.00			
Lactose			10.00			
L-cystine			0.128			
Bromo thymol blue			0.02			
Agar			15.00			
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°C / 15 minutes