

TECHNICAL SHEET

B132	C.L.E.D. AGAR (W/ANDRADE INDICATOR)				
Formula					
Ingredients :		gms/lit.			
Peptone		4.00			
Tryptone		4.00			
Meat Extract B#		3.00			
Lactose		10.00			
L-Cystine		0.128			
Bromo thymol blue		0.02			
Andrade indicator		0.10			
Agar		15.00			
#- Equivalent to Beef extract					
Final pH (at 25°C) : 7.5 ± 0.2					
Directions :					
Suspend 36.25 grams in 1000 ml of distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.					
Principle :					
Meat Extract B, Peptone and Tryptone 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. Addition of Andrade Indicator enhances the appearance of the colony and aids in the identification of microorganisms. Agar is used as a solidifying agent.					
QC Tests – (I)Dehydrated Medium					
	Colour :		Light yellow to greyish yellow		
	Appearance :		Homogeneous Free Flowing powder		
(II)Rehydrated medium					
	pH (post autoclaving/heating) :		7.5 ± 0.2		
	Colour (post autoclaving/heating) :		Greenish blue		
	Clarity (post autoclaving/heating) :		Clear to slightly opalescent		
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after 18 –24 hours at 35-37°C.				
	MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY		
	Enterobacter aerogenes (13048)	good-luxuriant	greyish green, mucoid		
	Escherichia coli (25922)	good-luxuriant	bright pink with pink halo		
	Enterococcus faecalis (29212)	good-luxuriant	orange-yellow or greenish		
	Klebsiella pneumoniae (13883)	good-luxuriant	Yellow to whitish blue		
	Proteus mirabilis (25933)	good-luxuriant	blue-green		
	Salmonella typhi (6539)	good-luxuriant	Bluish		
	Staphylococcus aureus (25923)	good-luxuriant	golden-yellow		
	Streptococcus pyogenes (19615)	good-luxuriant	greyish green		
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.			
		2. CLED Agar is basically non – selective. However, due to electrolyte exclusion, the growth of Shigella species is usually inhibited.			
Use :		For growth and isolation of urinary pathogens on the basis of lactose fermentation, Showing good colonial differentiation.			
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
B132	36.25g/l	13.79L	7.5 ± 0.2	NIL	121°C / 15 minutes

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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.