

TECHNICAL SHEET

PP006	CLED Agar w/Bromo Thymol Blue Plate			
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:				
Label the ready to use plate (PP006). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.				
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. Shigella species may not grow on this medium.				
(I) QC Tests				
pH:	7.3 ± 0.2			
Color:	Green coloured medium.			
Appearance:	Sterile CLED Agar w/Bromo Thymol Blue in 85mm disposable plates.			
(II) Sterility test				
Passes release criteria				
(III) Q.C. Test Microbiological				
Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.				
MICROORGANISM (ATCC)	INOCULUM (CFU)	GROWTH	RECOVERY	COLOR OF COLONY
Enterococcus faecalis 29212	50-100	good-luxuriant	≥70%	slight yellowish or greenish
Klebsiella pneumoniae 13883	50-100	good-luxuriant	≥70%	yellow to whitish blue
Escherichia coli ATCC 25922	50-100	good-luxuriant	≥70%	yellow, opaque, centre slightly deeper yellow
Proteus vulgaris 13315	50-100	good-luxuriant	≥70%	blue
Salmonella Typhi 6539	50-100	good-luxuriant	≥70%	bluish
Staphylococcus aureus 25923	50-100	good-luxuriant	≥70%	deep yellow

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Precautions :	1. In Vitro diagnostic use only. 2. Read the label before opening the container
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 and differentiation of urinary pathogens on the basis of lactose fermentation.
Storage:	Store between 15-25°C. Use before expiry date on the label.
Packing:	20/50 disposable plates.

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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