

**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 90X15mm 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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<b>Precautions :</b>	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
<b>Use:</b>	For isolation and differentiation of urinary pathogens on the basis of lactose fermentation.
<b>Storage:</b>	Store between 2-8°C. Use before expiry date on the label.
<b>Packing:</b>	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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