

TECHNICAL SHEET

B1426		GLUCOSEBROMOCRESOLPURPLEAGAR				
Formula						
Ingredients:		gms/lit.				
Enzymic Digest of Casein		10.00				
Yeast Extract		1.50				
Glucose		10.00				
Sodium Chloride		5.00				
Bromocresol purple		0.015				
Agar		12.20				
Final pH (at 25°C): 7.0 ± 0.2						
Directions:						
Suspend 38.7 gms in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Distribute in 10 ml tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Leave the tubes in vertical position.						
Principle:						
Enzymic Digest of Casein provide carbon and nitrogen sources for general growth requirements. Glucose is the carbohydrate source. Bromo Cresol Purple is the pH indicator. Agar is the solidifying agent.						
QC Tests – (I) Dehydrated Medium						
Colour:		Cream to yellow				
Appearance:		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
PH (post autoclaving/heating):		7.0 ± 0.2				
Colour (post autoclaving/heating):		Purple				
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	Acid	Gas			
Escherichia coli (25922)	Good to luxuriant	positive reaction, yellow colour	positive reaction, yellow colour			
Enterobacter aerogenes ATCC 13048	Good to luxuriant	positive reaction, yellow colour	positive reaction, yellow colour			
Klebsiella pneumoniae ATCC 13883	Good to luxuriant	positive reaction, yellow colour	positive reaction, yellow colour			
Salmonella typhimurium ATCC 14028	Good to luxuriant	positive reaction, yellow colour	positive reaction, yellow colour			
Alcaligenes faecalis ATCC 8750	fair-good	negative reaction, no colour change	negative reaction			
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 :		Solid medium for the confirmation of Enterobacteria in diverse samples according to ISO standards (ISO 21528-1/2)				
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
B1426		38.7g/l	12.919L	7.0 ± 0.2	NIL	121°C/15 minutes

Disclaimer:

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