

TECHNICAL SHEET

B1552	BROMOCRESOL PURPLE AGAR WITH LACTOSE					
Formula						
Ingredients :		gms/lit.				
Lactose		10.00				
Peptone mixture		5.00				
Meat extract B #		3.00				
Bromocresol purple		0.025				
Agar		10.00				
# Equivalent to Beef extract						
Final pH (at 25°C): 6.8 ± 0.2						
Directions :						
Suspend 28.03 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.						
Principle :						
Peptone mixture and Beef extract provide nitrogen, vitamins, amino acids. Lactose acts as a source of carbohydrate, while Bromocresol purple is a pH indicator. All coliforms ferment lactose with acid and gas production. The lactose fermenting organism changes the colour of the medium from purple to yellow.						
QC Tests - (I) Dehydrated Medium						
	Colour :	Cream to greenish yellow				
	Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium						
	pH (post autoclaving/heating) :	6.8 ± 0.2				
	Colour (post autoclaving/heating) :	Light purple				
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24-48 hrs at 35- 37°C.						
	MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY			
	Escherichia coli (25922)	Good – luxuriant	Yellow			
	Klebsiella pneumoniae (13883)	Good – luxuriant	Yellow			
	Enterobacter aerogenes (13048)	Good – luxuriant	Yellow			
	Salmonella typhimurium (14028)	Good – luxuriant	Colourless			
	Shigella flexneri (12022)	Good – luxuriant	Colourless			
	Proteus vulgaris (13315)	Good – luxuriant	Colourless			
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 :		It is recommended for the isolation of coliforms.				
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
B1552		28.03 g/l	17.838 L	6.8 ± 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.

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