

TECHNICAL SHEET

B441	BROMO CRESOL PURPLE BROTH BASE (YEAST FERMENTATION BROTH BASE)					
Formula						
Ingredients : gms/lit.						
Peptic digest of animal tissue 10.00						
Sodium chloride 5.00						
Meat Extract B# 3.00						
Bromo cresol purple 0.04						
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 18.04 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Dispense in tubes containing inverted Durhams tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 10 minutes. Cool and aseptically add sterile desired carbohydrate to a final concentration of 0.5 - 1.0%.						
Principle :						
Peptic digest of animal tissue, Meat Extract B provide essential growth nutrients for bacterial metabolism. Bromo cresol purple acts as pH indicator which turns yellow in acidic condition.						
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) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 -24 hrs at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH	Acid production (with added dextose)	Gas production (with added dextose)		
Escherichia coli (25922)		Luxuriant	+	+		
Enterobacter aerogenes (13048)		Luxuriant	+	+		
Salmonella typhimurium (14028)		Luxuriant	+	+		
Klebsiella pneumoniae (13883)		Luxuriant	+	+		
Shigella flexneri (12022)		Luxuriant	+	-		
Acid + = Positive reaction, yellow colour						
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 :		For studying fermentation of carbohydrates by pure cultures.				
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
B441	18.04g/l	27.716L	7.0 ± 0.2	sterile desired carbohydrate	121°C / 10 minutes	

Refer disclaimer Overleaf

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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