

**TECHNICAL SHEET**

<b>B1153</b>	<b>BROMOCRESOL PURPLE BROTH WITH DEXTROSE</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
	<b>gms/lit.</b>				
Peptic digest of animal tissue	10.00				
Meat extract	3.00				
Sodium chloride	5.00				
Dextrose	10.00				
Bromo cresol purple	0.02				
Final pH (at 25°C) : 7.2 ± 0.2					
<b>Directions :</b>					
Suspend 28.02 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Dispense in tubes containing inverted Durham's tubes and sterilize by autoclaving at 115°C for 20 minutes.					
<b>Principle :</b>					
The medium contains peptic digest of animal tissue and meat extract which supply the essential nutrients for E.coli and other coliforms. Sodium chloride maintains the osmotic equilibrium of the medium. Dextrose upon fermentation by coliforms produce acid and is indicated by the pH indicator bromo cresol purple. It turns yellow at acidic pH.					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :	7.2 ± 0.2				
Colour (post autoclaving/heating) :	Purple				
Clarity (post autoclaving/heating) :	Clear				
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18-24 hrs at 35- 37°C.					
MICROORGANISM (ATCC )	GROWTH	ACID		GAS	
Escherichia coli (25922)	Good – luxuriant	Positive reaction, yellow colour		Positive reaction	
Klebsiella pneumoniae (13883 )	Good – luxuriant	Positive reaction, yellow colour		Positive reaction	
Salmonella typhimurium (14028)	Good – luxuriant	Positive reaction, yellow colour		Positive reaction	
Alcaligenes faecalis (8750)	Fair – good	Negative reaction, no colour change		Negative reaction	
Enterobacter aerogenes (13048)	Good – luxuriant	Positive reaction, yellow colour		Positive reaction	
<b>Precautions :</b>	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<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>	It is used for identification of Escherichia coli and coliform bacteria from water samples.				
<b>Storage :</b>	Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.				
<b>Packing :</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1153</b>	28.02 g/l	17.844 L	7.2 ± 0.2	NIL	115°C / 20 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 BIOMARK LABORATORIES publications.

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