

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B015	BRILLIANT GREEN BILE BROTH 2%				
Formula					
Ingredients : gms/lit.					
Peptic digest of animal tissue	10.00				
Lactose	10.00				
Oxgall	20.00				
Brilliant green	0.0133				
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 40.01 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Distribute in fermentation tubes containing inverted Durhams tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. For preparation of double strength it is recommended to heat the dissolved broth (80.02 grams per litre) at 100°C for 30 minutes.					
Principle :					
Peptic digest of animal tissue is a source of carbon and nitrogen for general growth requirements. Oxgall (bile) and Brilliant green inhibit gram – positive bacteria and many gram – negative bacteria other than coliforms. Lactose is a carbohydrate source. Bacteria that ferment lactose and produce gas are detected.					
QC Tests – (I)Dehydrated Medium					
Colour :	Greenish yellow				
Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	7.2 ± 0.2				
Colour (post autoclaving/heating) :	Green				
Clarity (post autoclaving/heating) :	Clear				
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18 –48 hrs at 35- 37°C.					
MICROORGANISM (ATCC)	GROWTH	GAS			
Escherichia coli (25922)	Luxuriant	+			
Enterobacter aerogenes (13048)	Luxuriant	+			
Enterococcus faecalis (19433)	None-poor	-			
Staphylococcus aureus (25923)	Inhibited	-			
Bacillus cereus (10876)	Inhibited	-			
Precautions :	<ol style="list-style-type: none"> 1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. 3. IRRITANT. Irritating to eyes, respiratory system and skin. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable gloves and eye / face protection. Use only in well ventilated areas. Keep container tightly closed. Target organ(s) : Lungs. 				
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 confirmation of presumptive tests for coliform bacteria in examination of water, wastewater, foods and dairy products and it is also recommended by ISO committee as per specification ISO 4831:1991 and by BIS.				
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
B015	40.01g/l	12.496 L	7.2 ± 0.2	NIL	121°C / 15 minutes Double strength- 100°C for 30 minutes

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