

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) (Self Adjusted): 7.2 +/- 0.2					
Directions:					
Suspend 40.01 grams in 1000 ml distilled water. Distribute in fermentation tubes containing inverted Durham's tubes and sterilize by autoclaving at (118°C) for 15 minutes. DO NOT OVER AUTOCLAVE. 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, produces 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 :					
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.					
2. Brilliant green has tendency to fade colour to yellow on overheating.					
Use:					
Recommended for detection and confirmation of coliform bacteria in water, waste water, food, milk and dairy products.					
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	118°C / 15 minutes Double strength-100°C for 30 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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