

TECHNICAL SHEET

B1469	BRILLIANT GREEN BILE BROTH 2%		
Formula			
Ingredients:		gms/lit.	
Enzymatic digest of casein	10.00		
Lactose monohydrate	10.00		
Dehydrated bile #	20.00		
Brilliant green	0.0133		
# Equivalent to ox bile			
Final pH (at 25°C)(Self Adjusted): 7.2 ± 0.2			
Directions :			
Suspend 39.51 grams (the equivalent weight of dehydrated medium per liter) in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Dispense the medium in quantities of 10ml in test tubes of approximately 16mm x 160mm containing Durham tubes. Sterilize in an autoclave set at 118°C for 15 minutes. Note: The Durham tube shall not contain air bubbles after sterilization.			
Principle:			
Enzymatic digest of casein is a source of carbon and nitrogen for general growth requirements. Brilliant green and bile present in the medium inhibit gram-positive bacteria including lactose fermenting Clostridia. Production of gas from lactose fermentation is detected by incorporating inverted Durham's tube, indicates positive evidence of faecal coliforms since nonfaecal coliforms growing in this medium do not produce gas. Lactose is a carbohydrate source. Gram-positive spore-formers may produce gas if the bile or brilliant green inhibition is weakened by food material.			
Type of specimen: Clinical samples - Food samples.			
Specimen Collection and Handling:			
For food samples, follow appropriate techniques for sample collection and processing as per standard and current guidelines of food microbiology. After use, contaminated materials must be sterilized by autoclaving before discarding.			
QC Tests – (I)Dehydrated Medium			
	Colour :	Cream to pale green	
	Appearance :	Homogeneous Free Flowing powder	
(II)Rehydrated medium			
	pH (post autoclaving/heating) :	7.2 ± 0.2	
	Colour (post autoclaving/heating) :	Emerald green	
	Clarity (post autoclaving/heating) :	Clear	
(III)Q.C. Test Microbiological			
	Cultural characteristics observed after 24 –48 hrs at 30°C ±1°C.		
	MICROORGANISM (ATCC)	GROWTH	GAS
	Escherichia coli (25922)	Good-luxuriant	Positive reaction
	Escherichia coli (8739)	Good-luxuriant	Positive reaction
	Citrobacter freundii (43864)	Good-luxuriant	Positive reaction
	Enterobacter aerogenes (13048)	Good-luxuriant	Positive reaction
	Enterococcus faecalis (29212)	None-poor	Negative reaction
	Enterococcus faecalis (19433)	None-poor	Negative reaction

Refer disclaimer Overleaf

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Warning & Precautions :	1. For In vitro diagnostic Use.By professionals only.				
	2. Read the label carefully before opening the container.Wear PPE wares.Follow established good microbiology laboratory practices while handling specimens and cultures and take standard precautions for handling clinical specimens.				
	3. For safety guidelines refer individual safety data sheet.				
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.This medium is general purpose medium and may not support the growth of fastidious organisms.				
Use:	Recommended for isolation and cultivation of coliform organisms from cream, yogurt and raw milk. The composition and performance criteria of this medium are as per the specifications laid down in ISO 4831:2006, ISO 11133:2014 & Amd.2 :2020 (E)				
Storage:	Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.				
Disposal:	Ensure safe disposal by autoclaving/or incineration of used or usable preparation of this product. Follow established laboratory procedures while disposing all infectious material and those coming in contact must be decontaminated and disposed off with existing laboratory technics.				
Packing:	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
	B1469	39.51 g/l	12.655 L	7.2 ± 0.2	NIL

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. The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.