

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B1019</b>	<b>EE BROTH MODIFIED</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
	<b>gms/lit.</b>				
Pancreatic digest of gelatin	10.00				
Glucose monohydrate	5.00				
Ox-bile dried	20.00				
Disodium hydrogen phosphate - Dihydrate	8.00				
Potassium dihydrogen phosphate	2.00				
Brilliant green	0.015				
Final pH (at 25°C) : 7.2 ± 0.2					
<b>Directions :</b>					
Suspend 45.00 gms. in 1000 ml distilled water. Dispense 100 ml amounts in 250 ml flasks. Stopper with cotton plugs or loose fitting caps. Heat to 100°C boiling water for 30 minutes. Cool rapidly in running water. DO NOT AUTOCLAVE.					
<b>Principle :</b>					
Peptic digest of gelatin provide nitrogen, vitamins and amino acids. Dextrose is a carbon source. Disodium hydrogen Phosphate and Potassium dihydrogen Phosphate are buffering agents. Brilliant Green and Ox-bile are selective agents.					
<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) :	Green				
Clarity (post autoclaving/heating) :	Clear				
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 20-24 hrs. at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH	ACID			
Escherichia coli (25922)	Luxuriant	+			
Enterobacter aerogenes (13048)	Luxuriant	+			
Proteus mirabilis (25933)	Luxuriant	+			
Salmonella enteritidis (13076)	Luxuriant	±			
Shigella boydii (12030)	Luxuriant	-			
Staphylococcus aureus (25923)	Inhibited	-			
Key : + = positive, yellow colouration					
- = negative, no colour change, green					
± = variable 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>	For enrichment medium for Enterobacteriaceae in the bacteriological examination of foods and animal feed stuffs.				
<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>B1019</b>	45g/l	11.11L	7.2 ± 0.2	Nil	DO NOT AUTOCLAVE.

**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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