

TECHNICAL SHEET

B1423	E E BROTH, MOSSEL				
Formula					
Ingredients:		gms/lit.			
Peptone		10.00			
Dextrose		5.00			
Ox-bile, purified		20.00			
Disodium phosphate		6.45			
Monopotassium phosphate		2.00			
Brilliant green		0.0135			
Final pH (at 25°C): 7.2 ± 0.2					
Directions:					
Suspend 43.46 grams in 1000 ml distilled water. Dispense 120 ml amounts in 250 ml flasks or 9 ml amounts in tubes. Stopper with cotton plugs or loose-fitting caps. Heat in free-flowing steam or boiling water for 30 minutes. Avoid overheating of the medium. DO NOT AUTOCLAVE.					
Principle:					
Peptone provide nitrogen, vitamins and amino acids. Dextrose is a carbon source. Disodium Phospahte and Monopotassium Phosphate are buffering agents. Brilliant Green and Ox-bile, purified are selective agents.					
QC Tests - (I)Dehydrated Medium					
	Colour:	Light yellow			
	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 20-24 hrs. at 35°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 reaction, yellow colouration				
	- = negative reaction, no colour change, green				
	± =variable reaction				
Precautions :	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
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 selective enrichment of Enterobacteriaceae in bacteriological examination of foods. The composition and performance criteria of this medium are as per the specifications laid down in BS ISO 21528-1:2004.				
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
B1423	43.46g/l	11.51L	7.2 ± 0.2	Nil	DO NOT AUTOCLAVE.

Refer disclaimer Overleaf

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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