

B944		EE BROTH MOSSEL				
Formula						
Ingredients:		gms/lit.				
Tryptose		10.00				
Dextrose		5.00				
Oxgall		20.00				
Disodium phosphate		8.00				
Monopotassium phosphate		2.00				
Brilliant green		0.0135				
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 45.01 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 (100°C) or boiling water for 30 minutes. Avoid overheating of the medium. DO NOT AUTOCLAVE.						
Principle :						
Tryptose and dextrose allow the growth of the most of the members of Enterobacteriaceae. Brilliant green and oxgall or ox-bile, purified are the selective agents for gram-positive bacteria. Lactose negative, anaerogenic lactose-positive or late lactose fermenting Enterobacteriaceae are often missed by the standard 'Coli-aerogenes' test. To overcome this lactose is replaced by glucose in the media.						
QC Tests – (I)Dehydrated Medium						
Colour :		Light yellow to greenish 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 an incubation at 35-37°C for 18-24 hours.						
MICROORGANISM (ATCC)		GROWTH	ACID			
Escherichia coli (25922)		Luxuriant	Positive reaction, yellow colour			
Enterobacter aerogenes (13048)		Luxuriant	Positive reaction, yellow colour			
Proteus mirabilis (25933)		Luxuriant	Positive reaction, yellow colour			
Salmonella enteritidis (13076)		Luxuriant	Variable reaction			
Shigella boydii (12030)		Luxuriant	Negative reaction, no colour change			
Staphylococcus aureus (25923)		Inhibited	-			
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.						
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
B944		45 g/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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