

TECHNICAL SHEET

B178	EE BROTH MOSSEL					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		10.00				
Dextrose		5.00				
Oxgall		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 in tubes or flasks as desired. 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 :						
Peptic digest of animal tissue and dextrose provide the essential nutrients required for the growth of most of the members of Enterobacteriaceae. Brilliant green and oxgall inhibit growth of gram-positive bacteria.						
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 24-48 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH	ACID			
Escherichia coli (25922)		Luxuriant	positive reaction, yellow colour			
Escherichia coli (NCTC9002)		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			
Pseudomonas aeruginosa (9027)		Luxuriant	negative reaction			
Pseudomonas aeruginosa (27853)		Luxuriant	negative reaction			
Staphylococcus aureus (25923)		Inhibited				
Staphylococcus aureus (6538)		Inhibited				
Shigella boydii (12030)		Luxuriant	negative 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 the 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
B178		43.46g/l	11.50L	7.2 ± 0.2	Nil	DO NOT AUTOCLAVE.