

B1177	MODIFIED SOYABEAN BILE BROTH BASE				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		17.00			
Papaic digest of soyabean meal		3.00			
D-Glucose		2.50			
Bile salts mixture		1.50			
Dipotassium hydrogen phosphate		4.00			
Sodium chloride		5.00			
Final pH (at 25°C) :		7.3± 0.2			
Directions :					
Suspend 33.0 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add rehydrated contents of 1 vial of Novobiocin Selective Supplement (BF083). Mix well and dispense as desired.					
Principle :					
Casein enzymic hydrolysate and papaic digest of soyabean meal provide carbonaceous, nitrogenous compounds and other essential growth nutrients. D-Glucose is the fermentable carbohydrate and energy source. Bile salts mixture inhibits grampositive bacteria. Sodium chloride maintains osmotic equilibrium while phosphate buffers the medium well. Novobiocin renders the medium selectivity.					
QC Tests – (I)Dehydrated Medium					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	7.3 ± 0.2				
Colour (post autoclaving/heating) :	Light amber				
Clarity (post autoclaving/heating) :	clear solution				
(III)Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35-37°C Or 41.5°C for 18-24 hours, with added Novobiocin Selective Supplement (BF083). Recovery done on Sorbitol MacConkey Agar (B753).					
MICROORGANISM (ATCC)	GROWTH ON(B753)				
Escherichia coli O157:H7 (NCTC12900)	good-luxuriant				
Escherichia coli (25922)	good				
Staphylococcus aureus(25923)	none				
Enterococcus faecalis (29212)	none				
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 :					
It is an enrichment medium for the detection of Escherichia coli O157:H7 from food and animal feeding stuffs. Th composition and performance criteria of this medium are as per the specifications laid down in ISO1999 Draft ISO/DIS 16654.					
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
B1177	33.0 g/l	15.151 L	7.3 ± 0.2	Novobiocin Selective Supplement (BF083)	121°C/15 minutes

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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