

TECHNICAL SHEET

B939	BACTERIODES BILE ESCULIN AGAR (BBE)					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		15.00				
Papaic digest of soyabean meal		5.00				
Sodium chloride		5.00				
Oxgall		20.00				
Esculin		1.00				
Ferric ammonium citrate		0.50				
Hemin		0.01				
Agar		15.00				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 61.51 gms. in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50 °C and aseptically add rehydrated contents of Bacteroides Selective Supplement. Mix well and pour into sterile petri plates.						
Principle :						
It contains highly nutritious casein enzymic hydrolysate, papaic digest of soyabean meal and hemin which support growth of fastidious anaerobic bacteria like Bacteroides species. Oxgall inhibits almost all anaerobic gram – negative bacilli except Bacteroides fragilis Gentamicin inhibits most organisms other than esculin positive Bacteroides that can tolerate bile. Esculin hydrolysis results in esculetin and dextrose formation. Esculetin reacts with the iron salt i.e. Ferric ammonium citrate and forms dark brown to black complex.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Medium amber w/bluish tinge				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 40-48 hrs at 35-37°C when incubated anaerobically.						
MICROORGANISM (ATCC)		GROWTH		ESCULIN HYDROLYSIS		
Bacteroides fragilis (25285)		Good – luxuriant		+		
Bacteroides vulgatus (8482)		Good – luxuriant		-		
Proteus mirabilis (12453)		None – poor		-		
Clostridium perfringens (13124)		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 isolation, identification and cultivation of Bacteroides fragilis group.				
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
B939		61.51g/l	8.128L	7.0 ± 0.2	Bacteroides Selective Supplement	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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