BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

B181	EDWARDS MED	<u>ГИМ. М</u>					
Formula							
Ingredients :	am		ms/lit.				
	eptic digest of animal tissue 10						
Meat Extract B#			00				
Esculin			00				
Sodium chloride			.00				
Thallous sulphate			33				
Crystal violet			013				
Agar			5.00				
#- Equivalent to Beef extract							
Final pH (at 25°C) :7.4 <u>+</u> 0.2							
Directions :							
Suspend 41.33 grams in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving							
at 10 lbs pressure (115°C) for 20 minutes. Cool to 50°C & aseptically add 5 to 7% v/v sterile bovine or sheep							
blood. Mix well and pour into sterile petri plates.							
Principle :							
Peptic digest of animal tissue & Meat Extract B provide essential nutrient. This medium is selective due to the							
presence of crystal violet and thallous sulphate. Streptococci causing mastitis show a, β or γ type haemolysis.							
Esculin differentiates esculin positive group – D Streptococci from negative Streptococcus agalactiae. Agar acts							
as a solidifying agent.							
QC Tests – (I)Dehydrated Medium							
Colour :			Cream to ve	Cream to yellow			
Appearance :				Homogeneous Free Flowing powder			
(II)Rehydrated medium			поптоденео				
		74 ± 02					
pH (post autoclaving/heating) : Colour (post autoclaving/heating) :			7.4 \pm 0.2				
Colour (post aut	toclaving/heating):	A) Basal medium : Amber				
		B) (After addition of 5-7% v/v sterile defibrinated bovine or sheep					
			Blood) : Cherry red				
Clarity (post autoclaving/heating) :			A) Clear to slightly opalescent				
		B) Opaque	B) Opaque				
(III)Q.C. Test Mic							
Cultural characteristics observed with added 5-7%v/v sterile defibrinated sheep blood after an incubation at							
35-37°C for 24-48 hours.							
			ROWTH				
			ood- luxuriant				
			ood- luxuriant				
			hibited				
Escherichia coli			hibited				
Precautions :	1. For Laboratory Use.						
	2. Follow proper, established laboratory procedures in handling and disposing of infectious						
	materials.						
	3. POISON. : Th	3. POISON. : Thallium salts are very toxic by inhalation or by ingestion and there is a danger					
	of cumulative eff	ects. Products containing thallium salts must be kept away from food, drink					
	and animal feeding stuffs. Always wear a mask and gloves when handling the powder.						
Limitations : 1. Since the nutritional requirements of organisms vary, some strains m that fail to grow or grow poorly on this medium.							
Use : For selective and rapid isolation of Streptococcus agalactiae and other Streptococcus with bovine mastitis.						Streptococci associated	
Storage :							
Packing :	500 gm. bottle		•				
		Quanti	ty on	pH (25°C)	Supplement	Sterilization	
			ation (500g)	,	THE STORES		
B181	41.33g/l		12.09L	7.4 + 0.2	5 to 7% v/v	115ºC / 20 minutes	
	- 57				sterile bovine or		
					sheep blood		
Disclaimer:				1			

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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