BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B179 EMB AGAR BASE								
Formula								
Ingredients : Gms/lit.								
Pe	otone		10.	00				
Dip	otassium phospl	nate	2.0	0				
Eosin - Y 0.4				0				
Methylene blue 0.)65				
Agar 15				.00				
Fin	al pH (at 25°C)		7.3	<u>+</u> 0.2				
Directions :								
Suspend 27.46 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Add desire								
carbonydrate or other test substance in desired concentration. Sterilize by autoclaving at 15 lbs pressure (121°C								
tor 15 minutes.DO NOT OVERHEAT. Cool to 45-50°C and shake the medium in order to oxidize the methylen								
blue (i.e. restore its blue colour) and to suspend the precipitate, which is an essential part of the medium							art of the medium. Mix	
well and pour into sterile Petri plates.								
Principle :								
Peptone serves as source of carbon, nitrogen, and other essential growth nutrients. Eosin-Y and methylene blue								
serve as differential indicators. Phosphate buffers the medium. Coliforms produce purplish black colonies due to								
uptake of methylene blue-eosin dye complex, when the pH drops. The dye complex is absorbed into the colony.								
invon-remnenters probably raise the pH of surrounding medium by oxidative de-amination of protein, which								
501		lylene blue-eosin	comple	ex resulting in re		biouriess colonies.		
				l table adale da accorda				
				Light pink to purple				
Appearance :				Homogeneous Free Flowing powder				
(11) Kenyaratea mealum								
				7.3 ± 0.2				
Colour (post autoclaving/heating) :):	Reddish purple with greenish cast & finely dispersed precipitate.				
(III) C Test Misrobiological):					
(11	I)Q.C. Test MIC	robiological	aftan 1	10.24 hrs. at 25., 2700 (funced sultures at 25.2000 for 24.40 hrs. with				
Cultural characteristics observed after 18-24 nrs. at 35 - 3/°C (fungal cultures at 25-3						30°C for 24-48 nrs with		
	Facherichia cali	(AILL) (25022)		GRUWIA	COLOUR OF	ULUNI		
	Escherichia coli (25922)			Luxuriant	blue-black with green metallic			
	Beaudomonae apruginosa (27853)		1	Luxuriant	Colourloss			
	Salmonella tynhimurium (14028)			Luxuriant	Colourless			
	Candida albicans (10231))	Cood luxuriant	Colourless			
	Enterohacter aerogenes (13048)		Good	Dink-red				
	Stanbylococcus aureus (25923)			Nopo - poor	Colourless			
	Saccharomyces cerevisiae (9763)		>	None – poor	Cream			
	Streptococcus faecalis (29212))	Indite - pool				
Dra	acoutions : 1 For Laboratory Use			IIIIIDiteu				
Flecautions .		2. Follow proper established laboratory procedures in handling and disposing of infectious						
		materials.						
		3. Store the medium away from light to avoid photooxidation						
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 a basal medium to which different carbohydrates and other test substances may be						
		added for differentiation and study of various enteric bacteria.						
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.						
Packing :		500 gm bottle						
Product profile:		Reconstitution	Ouanti	ty on	pH (25°C)	Supplement	Sterilization	
			Prepar	ation (500g)	, (_0 0)			
B179		27.46g/l		18.2L	7.3 ± 0.2	Desired	121ºC / 15 minutes	
		5,				carbohydrate		

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. The information contained in this publication is based on our in-house studies and market performance and is to the best of our

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