BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1556	**MSE AGAR**
Formula	
Ingredients :	**gms/lit.**
Tryptone	10.00
Gelatin	2.50
Yeast Extract	5.00
Sucrose	100.00
Glucose	5.00
Sodium Citrate	1.00
Sodium Azide	0.075
Agar	13.00
Final pH (at 25°C) : 6.9± 0.2	
Directions :	
Suspend 136.5g in 1000ml of cold distilled water. Heat to boiling, stirring constantly and autoclave at110°C for 15 minutes.	
Principle :	
Tryptone, Yeast Extract provides nitrogenous compounds and other essential growth nutrients. Sucrose, Glucose acts as energy source.Leuconostocspp synthesizes dextran from sucrose. Sodium Azide inhibits Gram-negative bacteria.	

QC Tests – (I)Dehydrated Medium		
	Colour :	Cream to light yellow
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	6.9 ± 0.2
	Colour (post autoclaving/heating) :	Light amber
	Clarity (post autoclaving/heating) :	Clear to slight opalescent gel

(III)Q.C. Test Microbiological			
	Cultural characteristics observed daily for 4 daysat 21°C.		
	MICROORGANISM (ATCC)	GROWTH	COLONY
	Leuconostocdextranicum	good-luxuriant	White or yellowish
	Leuconostocmesenteroides	good-luxuriant	White or yellowish

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 used for the detection and enumeration of Leuconostoc in milk, dairy products and sweet 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
B1556	136.5 g/l	3.663 L	6.9 ± 0.2	NIL	110°C / 15 minutes.

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