BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B626	**MODIFIED ROGOSA AGAR (M16 AGAR)**
Formula	
Ingredients :	**gms/lit.**
Papaic digest of soyabean meal	5.00
Tryptose	5.00
Meat extract B#	5.00
Yeast extract	2.50
Dextrose	5.00
Ascorbic acid	0.50
Sodium acetate	3.00
Agar	10.00
#- Equivalent to Beef extract	
Final pH (at 25°C) : 7.2± 0.2	
Directions :	
Suspend 36 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.	
Principle :	
Papaic digest of soyabean meal, tryptose and Meat extract B provide the essential nutrients like amino acids, minerals etc. Yeast extract supplies vitamin B complex to the lactic streptococci. Dextrose is the fermentable carbohydrate and energy source. Sodium acetate inhibits other contaminating bacteria and suppresses swarming growth. Ascorbic acid provides vitamin C to the organisms.	

QC Tests – (I)Dehydrated Medium		
	Colour :	Cream to yellow
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	7.2 ± 0.2
	Colour (post autoclaving/heating) :	Light amber
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent gel

(III)Q.C. Test Microbiological			
	Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours in CO2 enriched atmosphere		
	MICROORGANISM (ATCC)	GROWTH	
	Lactobacillus lactis (8000)	good-luxuriant	
	Streptococcus cremoris(19257)	good-luxuriant	

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 isrecommended for cultivation and enumeration of lactic streptococci used in manufacture of cheddar cheese.
Storage :	Dehydrated medium andprepared medium– Between 2 to 8°C.
Packing :	500 gm. bottle

Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B626	36.0 g/l	13.888 L	7.2 ± 0.2	NIL	121^0C / 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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