

**TECHNICAL SHEET**

<b>B1107</b>	<b>REDDY'S DIFFERENTIAL AGAR, MODIFIED (LACTIC STREAK AGAR)</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Peptic digest of animal tissue		5.00			
Papaic digest of soyabean meal		5.00			
Yeast extract		5.00			
Meat extract B #		5.00			
Lactose		1.50			
L-arginine hydrochloride		1.50			
Bromo cresol purple		0.002			
sodium carboxymethyl cellulose		10.00			
Calcium citrate		10.00			
Agar		15.00			
# Equivalent to Beef extract					
Final pH (at 25°C) : 6.0 ± 0.2					
<b>Directions :</b>					
Suspend 58 grams in 1000 ml distilled water and disperse using blender. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 115°C for 10 minutes. Mix well and pour into sterile Petri plates.					
<b>Principle :</b>					
Peptic digest of animal tissue, Papaic digest of soyabean meal, yeast extract and meat extract B supply all essential nutrients like nitrogenous substances, minerals, vitamins etc. Lactose is the carbohydrate. Calcium citrate is the source of citrate. Bromocresol of purple is pH indicator.					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		6.0 ± 0.2			
Colour (post autoclaving/heating) :		Light yellow			
Clarity (post autoclaving/heating) :		Opalescent with greenish tinge			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after upto 4 days at 32°C.					
MICROORGANISM (ATCC )	GROWTH	COLOUR OF COLONY	CITRATE UTILIZATION		
Lactobacillus lactis (8000)	Good - luxuriant	Yellow	-		
Lactococcus lactis Subsp. diacetylactis	Good - luxuriant	Purple	+		
L. lactis subsp. cremoris (19527)	Good - luxuriant	Purple	-		
Key : + = positive, clearing zone around colony - = negative					
<b>Precautions :</b>	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>	For the qualitative and quantitative differentiation of lactic Streptococci.				
<b>Storage :</b>	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B841</b>	58 g/l	13.15 L	6.0± 0.2	Nil	115°C/10min.

Refer disclaimer overleaf

**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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