

TECHNICAL SHEET

B254	MICRO VITAMIN TEST CULTURE AGAR				
Formula					
Ingredients :		gms/lit.			
Yeast Extract		20.00			
Peptone		5.00			
Dextrose (glucose)		10.00			
Potassium dihydrogen phosphate		2.00			
Polysorbate 80 (Tween 80)		0.10			
Agar		15.00			
Final pH (at 25°C) : 6.7 ± 0.2					
Directions :					
Suspend 52.1 grams in 1000 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.					
Principle :					
Peptone and yeast extract provide essential nutrients as nitrogen, sulphur, vitamins etc.for growth. Dextrose is the energy source. Polysorbate 80 is the fatty acid source.					
QC Tests - (I)Dehydrated Medium					
Colour :		Cream to Yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		6.7 ± 0.2			
Colour (post autoclaving/heating) :		Light yellow			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35 - 37°C for 24 - 48 hours.					
MICROORGANISM (ATCC)		GROWTH			
Lactobacillus casei (9595)		Good-Luxuriant			
Lactobacillus viridescens (12706)		Good-Luxuriant			
Lactobacillus leichmanni (4797)		Good-Luxuriant			
Lactobacillus plantarum (8014)		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 :					
For cultivation and maintenance of stock cultures of Lactobacilli used in microbiological assays of vitamins.					
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
B254	52.1g/l	9.596L	6.7 ± 0.2	Nil	121°C / 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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