

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B527	FOLIC ACID CULTURE AGAR					
Formula						
Ingredients :			gms/lit.			
Peptonized milk			15.00			
Yeast extract			5.00			
Dextrose			10.00			
Monopotassium phosphate			2.00			
Tomato juice (100 ml)			5.00			
Polysorbate 80			1.00			
Agar			10.00			
Final pH (at 25°C) : 6.8 ± 0.2						
Directions :						
Suspend 48 gms in 1000 ml distilled water. Boil to dissolve the medium completely. Distribute in tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool the tubes rapidly in an upright position.						
Principle :						
Yeast extract and peptonized milk supply mainly the nitrogenous nutrients, vitamins and minerals to the growth of the organisms. Dextrose is the energy source in the medium while tomato juice provides the growth factors. Polysorbate 80 maintains the surface tension of the medium to the optimal level while phosphate serves as the salt for buffering the medium.						
QC Tests - (I) Dehydrated Medium						
Colour :			Light yellow			
Appearance :			Homogeneous Free Flowing powder			
(II) Rehydrated medium						
pH (post autoclaving/heating) :			6.8 ± 0.2			
Colour (post autoclaving/heating) :			Medium amber			
Clarity (post autoclaving/heating) :			Clarity to slightly opalescent			
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 -24 hrs.at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Streptococcus faecium (8043)		Luxuriant				
Lactobacillus casei (7469)		Luxuriant				
Lactobacillus plantarum (8014)		Luxuriant				
Lactobacillus leichmanni (7830)		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 maintenance of streptococcus faecium ATCC 8043 used as a test organism in folic acid assay.				
Storage:		Dehydrated medium and prepared medium- Between 2 to 8°C.				
Packing :		500 gm bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B527	48g/l	10.41L	6.8 ± 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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