

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B281	PANTOTHENATE CULTURE AGAR				
Formula					
Ingredients:	gms/lit.				
Yeast extract	20.00				
Dextrose	5.00				
Sodium acetate	5.00				
Agar	15.00				
Final pH (at 25°C):	6.8 ± 0.2				
Directions:					
Suspend 45 gms. in 1000ml. distilled water. Boil to dissolve the medium completely. Distribute in tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Allow the tubes to cool in an upright position.					
Principle:					
Yeast extract and dextrose supply the nitrogen and carbon for the growth of the organism. Sodium acetate inhibits the growth of some organisms including gram – negative bacteria and moulds. Agar is the solidifying agent.					
QC Tests – (I) Dehydrated Medium					
Colour:	Cream to light yellow				
Appearance:	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
PH (post autoclaving/heating):	6.8 ± 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 16 - 24 hrs. at 35 - 37°C.					
MICROORGANISM (ATCC)	GROWTH				
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 culturing Lactobacillus plantarum ATCC 8014 used in the microbiological assay of Pantothenic acid or its salts.				
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
B281	45g/l	11.111L	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 BIOMARK LABORATORIES publications.

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