

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B217	LACTOBACILLI AGAR , AOAC					
Formula						
Ingredients :		gms/lit.				
Peptonized milk		15.00				
Yeast extract		5.00				
Dextrose		10.00				
Tomato juice (100ml)		5.00				
Monopotassium phosphate		2.00				
Polysorbate 80		1.00				
Agar		10.00				
Final pH (at 25°C) : 6.8± 0.2						
Directions :						
Suspend 48 gms in 1000ml. distilled water and boil to dissolve the medium completely. Distribute into tubes in 10 ml amounts and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool the tubed Agar medium in an upright position.						
Principle :						
Peptonized milk and yeast extract provide essential growth nutrients. Dextrose is the energy source. Phosphate provides buffering system while tomato juice helps in lowering the pH. Polysorbate 80 supplies fatty acids. Before using a culture in any assay, at least 2 successive transfers during a 1-2 week period are essential. Any culture older than one week should not be used.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to 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) :		Opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours.						
MICROORGANISM (ATCC)		Growth				
Enterococcus hirae (8043)		Luxuriant				
Lactobacillus casei (7469)		Luxuriant				
Lactobacillus leichmanni (7830)		Luxuriant				
Lactobacillus plantarum (8014)		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 carrying the stock cultures used in the microbiological assay of the B 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
B217	48 g/l	10.41lit	6.8 ± 0.2	Nil	121°C/15 min	

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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