

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B218	LACTOBACILLI BROTH, 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			
Final pH (at 25°C) : 6.8 ± 0.2					
Directions :					
Suspend 38 grams in 1000 ml distilled water. Heat, if necessary, to boiling 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.					
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) :	Clear			
(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 preparation of inocula of test bacteria used in microbiological assays 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
B218	38 g/l	13.158lit	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 BIOMARK LABORATORIES publications.

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