

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B841		LACTOBACILLUS SELECTION AGAR				
Formula						
Ingredients :		gms/lit.				
Casein enzymichydrolysate		10.00				
Yeast extract		5.00				
Glucose		20.00				
Sodium acetate		25.00				
Monopotassium hydrogen phosphate		6.00				
Ammonium citrate		2.00				
Polysorbate 80		1.00				
Magnesium sulphate		0.575				
Manganese sulphate		0.12				
Ferrous sulphate		0.34				
Agar		15.00				
Final pH (at 25°C) :		5.5 ± 0.2				
Directions :						
Suspend 84.7 gms in 1000ml. distilled water containing 1.32ml.glacial acetic acid. Heat with frequent stirring. Boil for 1-2 minutes to dissolve the medium completely. DO NOT AUTO CLAVE. If storage is necessary, autoclave at 12 lbspressure (118°C) for 15 minutes.						
Principle :						
Casein enzymichydrolysate, Yeast extract and Glucose are the nitrogen and carbon source. Polysorbate 80 provides fatty acids required for the metabolism of Lactobacilli. Ammonium citrate and sodium acetate inhibit many organisms, including Streptococci, moulds and also restrict the swarming. Addition of acetic acid lowers the pH which is inhibitory to many microorganisms but favors the growth of Lactobacilli. Agar is a solidifying agent.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		5.5 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow to yellow				
Clarity (post autoclaving/heating) :		Slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 48 hrs at 35-37°C, in presence of CO ₂ .						
MICROORGANISM (ATCC)		GROWTH				
Lactobacillus acidophilus (4356)		Luxuriant				
Lactobacillus plantarum (8014)		Luxuriant				
Lactobacillus casei (9595)		Luxuriant				
Enterococcus faecalis (29212)		Inhibited				
Proteus vulgaris (13315)		Inhibited				
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 isolation and enumeration of Lactobacillus from foods.				
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
B841	84.7g/l	5.90 lit		5.5 ± 0.2	Glacial acetic acid.	DO NOT AUTO CLAVE.

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Disclaimer:

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