

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B844		LACTOBACILLUS MRS AGAR				
Formula						
Ingredients :		gms/lit.				
Proteose peptone		10.00				
Beef extract		10.00				
Yeast extract		5.00				
Dextrose		20.00				
Polysorbate 80		1.00				
Ammonium citrate		2.00				
Sodium acetate		5.00				
Magnesium sulphate		0.10				
Manganese sulphate		0.05				
Disodium phosphate		2.00				
Agar		12.00				
Final pH (at 25°C) : 6.5 ± 0.2						
Directions :						
Suspend 67.15 in 1000ml distilled water. Boil to dissolve the medium completely. Distribute in tubes, bottles or flasks as desired Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Lactobacillus MRS Agar contain Proteose Peptone, Beef extract, Yeast extract and Dextrose. These ingredients supply nitrogen, carbon and other elements necessary for growth. Polysorbate 80, Acetate, Magnesium and Manganese sulphate provide growth factors for culturing a variety of lactobacilli. The above ingredients may inhibit the growth of some organisms other than lactobacilli.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		6.5 ± 0.2				
Colour (post autoclaving/heating) :		Cream to medium amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18- 24 hrs or longer at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Lactobacillus fermentum (9338)		Luxuriant				
Lactobacillus leichmanni (7830)		Luxuriant				
Lactobacillus plantarum (8014)		Luxuriant				
Lactobacillus casei (9595)		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 isolation and cultivation of Lactobacilli.				
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
B844		67.15 g/l	7.44lit	6.5 ± 0.2	nil	121°C/15 min